NM SLD Radiochemistry Lab Data BW Samples 2008

BWSI-00; -02; -03; -04; -05; -06; -07; -08; -09; -10; -11; -12; -13; -14; -15; -16; -17; -18; -19; -20; -21; -22; -23; -24; -25; -26; -27; -28; -29; -30; -33; -34; -35; -38; -39; -40.



P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

October 1, 2008

Request ID No. 2419406

ANALYTICAL REPORT

SLD Accession No. RC-2008-0299

Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED GWQ Bureau Abatement and Asse

P.O. Box 26110 Santa Fe, NM 87502

Submitter: NMED - Ground Water Pollution Prevention S

P.O. Box 26110

Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section Scientific Laboratory Division 700 Camino de Salud, NE P.O. Box 4700

Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

COLLECTION LOCATION On: 8/25/2008 By: RIVERA, SABINO Facility: **BLUEWATER URANIUM MILL CERCLIS ID NMD007106891** At: 15:15 In/Near: Milan **BWSI-00**

Analytical Results							
CAS No.	Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	-0.8	0.3	0.7	pCi/L	Crowell	900
12587-46-1	Gross Alpha w/ U-nat Reference	-0.8	0.3	0.7	pCi/L	Crowell	900
12587-47-2	Gross Beta w/ Cs-137 Reference	2.2	0.6	1.0	pCi/L	Crowell	900
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	2.2	0.6	0.1	pCi/L	Crowell	900
15262-20-1	Radium-228, SDWA Method	-0.08	0.09	0.14	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected"; as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

Nidal Jadalla

10/1/2008

Supervisor, Radiochemistry Section

1/4/2000 Feld black



Request ID # Hère One Form Per Sample Per Sample DATE Cast Salud NE-PO Box 4700 Albuquerque, NM 87196-4700 Per Sample DATE Cast Salud NE-PO Box 4700 Albuquerque, NM 87196-4700 Per Sample DATE Cast Salud NE-PO Box 4700 Albuquerque, NM 87196-4700 Per Sample DATE Cast Salud NE-PO Box 4700 Albuquerque, NM 87196-4700 Per Sample DATE Cast Salud NE-PO Box 4700 Albuquerque, NM 87196-4700 Per Sample DATE Cast Salud NE-PO Box 4700 Per Sample Per Sample DATE Cast Salud NE-PO Box 4700 Per Sample DATE Cast Salud NE-PO Box 4700 Salud NE-PO Box 4700 Albuquerque, NM 87196-4700 Salud NE-Po Box 4700	NEW MEXICO DEPARTMENT OF HEAL	TH CHEMISTRY BUREAU	U ANALYTICA	REQUEST FORM (INTERACTIVE
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SAMPLING LOCATION:	FACILITY / WSS NAME: Bluewater ura	nium mill CERCLIS ID NMD007106891		
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TIME COLLECTED (HH:MM 24-hr): 15°11' First Name SAMPLE INFO CONTACT Phone: 476-3777 Name if not collector. David L. Mayerson Name:	SAMPLING LOCATION: 1305I	-00		
TIME COLLECTED (HH:MM 24-hr): 15° 11' First Name: S. 6	DATE COLLECTED (MM-DD-YY): 05	/25/03 BY: Last Name:	Riverke	
SAMPLE INFO CONTACT Phone: 476-3777 Name if not collector: David L. Mayerson New / Change Address for Submitter Name: NMED/GWQB/SOS Address: 1190 St. Francis Dr. N2300 Send an additional report to Chlorinated Residual (mg/l): PH: Conductivity (us/cm): Temperature (deg. C) FIELD DATA (Non-chlorinated Chlorinated Residual (mg/l): PH: Conductivity (us/cm): Temperature (deg. C) REMARKS Field remarks: SAMPLING [X NMED monitoring Compliance Non-compliance Split with facility Grab sample Co. DOCUMENTATION Finished water Raw water Confirmation X Other Describe: site characterization SAMPLE Filtered water (Non-filtered water Soil/Sediment Sludge Blood Urine Tissue Saliva Swipt TYPE Other air/liquid/solid Describe: PRESERVATION None Shipped at < 4C HCl added to pH < 2 X HNO; added to pH < 2 H:SO; added to pH < 2 Asc. acid HM ANALYSES LIST RC ANALYSES LIST OR ANALYSES LIST 803 SDWA sequential with Ra-228, 2 gal. (EPA 900.0/903.1/904.0, etc.) WE ANALYSES LIST ROBER Field preservation confirmed Preserved to pH > 12 at Lab Preserved to pH < 2 at Lab Date/Initial: Alugo 8 The Lab USE Lab Remarks: Please use CHAIN OF CUSTODY FORM when requirements mandate We, the undersigned Certify that on 9 12 Reserved to pH > 12 at Lab Preserved to pH < 2 at Lab Date/Initial: Alugo 8 The Lab We, the undersigned Certify that on 9 12 Reserved to pH > 12 at Lab Preserved to pH < 2 at Lab Date/Initial: Alugo 8 The Lab We, the undersigned Certify that on 9 12 Reserved to pH > 12 at Lab Present 8 Index Present 8 Damaged We stransferred with evidentiary see (s) (cheft applicable box) Not Present Present 8 Index Present 8 Damaged Signature Signat	The second of th		Sahar	
New / Change Address for WSS / Client	SAMPLE INFO CONTACT Phone:	Name if not collector:		
Send an additional report to Signature Send an additional report to Preserved to pH > 12 at Lab Preserved to pH < 2 at Lab Date/Initial: August Institute August Institu	New/Change Address for Submitter	> Name:	NMED/GWQB/SOS	
FIELD DATA Non-chlorinated Chlorinated Residual (mg/l): pH: Conductivity (uS/cm): Temperature (deg. C) REMARKS Field remarks: SAMPLING NAMED monitoring Compliance Non-compliance Split with facility Grab sample Co. DOCUMENTATION Finished water Raw water Confirmation Nother Describe: Site characterization SAMPLE Filtered water Non-filtered water Soil/Sediment Sludge Blood Urine Tissue Saliva Swipt TYPE Other air/liquid/solid Describe: PRESERVATION Non Shipped at <4C HCl added to pH < 2 HNO) added to pH < 2 H2504 added to pH < 2 Asc. acid HM ANALYSES LIST OR ANALYSES LIST OR ANALYSES LIST OR ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preservation confirmed Preserved to pH > 12 at Lab Preserved to pH < 2 at Lab Date/Initial: Naugus TLE We, the undersigned Certify that on 12 time Time We, the undersigned Certify that on 12 time Time Was transferred with evidentiary seals (s) (check applicable box) Not Present Present Index Present Damaged Released by: Signature We Received by: Signature Signature Finished water Raw water Confirmation Split with facility Grab sample Confirmation Split with facility Grab sample Confirmation Split to Present Damaged Released by: Signature Finished water Raw water Confirmation Split with facility Grab sample Confirmation Split to Present Damaged Released by: Signature Signature Finished water Raw water Confirmation Split to Philade Split with facility (degree) Split to Philade Split to Philade Confirmation Split to Philade Confirmation Split to Present Damaged Released by: Signature Finished water Confirmation Split to Philade Confirmation Split to Present Damaged Released by: Signature Finished water Confirmation Split to Philade Confirmation S	New/Change Address for WSS/Client	> Address:	1190 St. Francis Dr. N2300	
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PRESERVATION None Shipped at < 4C HCl added to pH < 2 HNO3 added to pH < 2 H2SO4 added to pH < 2 Asc. acid Lab to acidify NaOH added to pH > 12 Other Describe: HM ANALYSES LIST OR ANALYSES LIST RC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preservation confirmed Preserved to pH > 12 at Lab Preserved to pH < 2 at Lab Date/Initial: Nacy OS The Sample identified on the container(s) and this form by Request ID number Preserved with evidentiary seal(s) (check applicable box) Not Present & Initiate Present & Damaged Released by: Signature Signatur	TYPE		Blood (* Urine (* Tis	sue C Saliva C Swipe/Smear
PRESERVATION Lab to acidify NaOH added to pH > 12 Other Describe: HM ANALYSES LIST OR ANALYSES LIST B03 SDWA sequential with Ra-228, 2 gal. (EPA 900.0/903.1/904.0, etc.) WC ANALYSES LIST ADDITIONAL ANALYSES Preserved to pH > 12 at Lab Preserved to pH < 2 at Lab Date/Initial: Date/Initial: Date Date	(Other anniques ond Descri		11.4. 12. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2	
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FOR Field preservation confirmed Preserved to pH > 12 at Lab Preserved to pH < 2 at Lab Date/Initial: Date/Initial:	WC ANALYSES LIST		***************************************	
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		ire	7	Signature .
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was transferred with evidentiary seal(s) (check applicable box) (Not Present & Intact (Present & Damaged			esent & Intact Present &	& Damaged
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P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

November 21, 2008

Request ID No. 2419405 ANALYTICAL REPORT

SLD Accession No. RC-2008-0298

Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED - Ground Water Pollution Preventio P.O. Box 26110 Santa Fe, NM 87502 User: NMED GWQ Bureau Abatement and Assessm P.O. Box 26110 Santa Fe. NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section
Scientific Laboratory Division
700 Camino de Salud, NE
P.O. Box 4700
Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

COLLECTION LOCATION
On: 8/25/2008 By: DIXON, EARLE Facility: BLUEWATER URANIUM MILL CERCLIS ID NMD007106891
At: 11:24 In/Near: Milan BWSI-02

Analytical Results							
CAS No.	Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	1.9	0.7	1.3	pCi/L	Crowell	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	2.5	1.0	1.8	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	12.6	1.4	1.5	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	12.0	1.3	1.4	pCi/L	Crowell	SM 7110 B
13982-63-3	Radium-226, SDWA Method	-0.03	0.01	0.01	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.31	0.11	0.14	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By: _____

Nidal Jadalla

11/12/2008

Request ID # Here One Form Per Sample		CHEMISTRY BUREAU Scientific Laboratory Division 700 Camino de Salud NE - PO Bo Albuquerque, NM 87196 - 4 Phone 505 841 2500	One Form Per Sample RC()800298
LAB USE>> INTIMAMENTALINA		€ 55321 (GWB - remediation super	The state of the s	
LAB USE - SAMPLE TEMPI		S5910 (GWB - pollution prevention of State of St	on) 55420 (DWB - non-reg. co 64000 (Individual client fe	
	- 70	55920 (SWQB - PSRS)	OTHER (enter 5-digit user	1,2
SAMPLE PRIORITY: (1, 2, 3	SIZ IE			10000
SUBMITTER CODE (3-digit			DWB = 4-digit, SWQB = 13-chars):	
FACILITY / WSS NAME: FACILITY LOCATION (if no		ill CERCLIS ID NMD007106891 County: Cibola	Cercy NAA	or change to: NM
SAMPLING LOCATION:	8	O PART CHARLES IN	City: Milan State: NM,	or change to: NM
DATE COLLECTED (MM-DI	BUSI-02		1.	
TIME COLLECTED (HH:MM	1 1 - 1/0	First Name:	U.Kom.	
SAMPLE INFO CONTACT			tanle	
System of the second se	for Submitter		MED/GWQB/SOS	
	for WSS/Client		90 St. Francis Dr. N2300	***************************************
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	nlorinated Chlorinate		NACOST N. 1101 CT.00 N. 1105 200 2	ıre (deg. C):
AND REMARKS Field re		nesidadi (ingri).	conducting (distance)	,,e (ueg. e).
DOCUMENTATION -	inished water Raw	Compliance Non-compliance water Confirmation Other	Split with facility Grab sample * Describe: site characterization Blood Gurine Tissue Saliva	C Swipe/Smear
SAMPLE Filtered water TYPE Other air/liqu		(Soli/Sediment (Sladge (t	Sidod (Office (Tissue (Saliva	(Swipe/Sittedi
PRESERVATION None	Shipped at < 4 C	HCI added to pH < 2 X HNO3 add	Ided to pH < 2 H2SO+added to pH < 2	Asc. acid added
HM ANALYSES LIST		1 200000		
OR ANALYSES LIST				
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ADDITIONAL ANALYSES	*			
FOR Field preservation	on confirmed Prese	rved to pH > 12 at Lab	d to pH < 2 at Lab Date/Initial:	-0/06
USE Lab Remarks:			d to pH < 2 at Lab Date/Initial: 27 Aug	D8 1705
	j / Ple	ase use CHAIN OF CUSTODY FORM	when requirements mandate	
We, the undersigned, certif	y that on 2/27/02 at /		e container(s) and this form by Request ID nu	_{imber} <u>2419 465</u>
was transferred with evider		able box) (Not Present (Pres	sent & Intact Present & Damaged	
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was transferred with evider	Date ntiary seal(s) (check applica	Time able box) (Not Present (Prese	ent & Intact Present & Damaged	
Released by:		& Received by:		
Daint Farm	Signature		Signature	Reset Form

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud. NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

October 28, 2008

Request ID No. 2419402

ANALYTICAL REPORT SLD Accession No. RC-2008-0289

Distribution

(x) User 55321 (x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED - Ground Water Pollution Preventio

P.O. Box 26110 Santa Fe, NM 87502 User: NMED GWQ Bureau Abatement and Assessm P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section
Scientific Laboratory Division
700 Camino de Salud, NE
P.O. Box 4700
Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

COLLECTION

On: 8/25/2008 By: DIXON, EARLE
At: 10:30 In/Near: Milan

LOCATION

Facility: BLUEWATER URANIUM MILL CERCLIS ID NMD007106891

BWSI-03

Analytical Results							
CAS No.	Analyte	Value	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	7.3	1.1	1.7	pCi/L	Crowell	900
12587-46-1	Gross Alpha w/ U-nat Reference	8.6	1.3	1.9	pCi/L	Crowell	900
12587-47-2	Gross Beta w/ Cs-137 Reference	9.4	1.3	2.1	pCi/L	Crowell	900
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	9.1	1.3	2.1	pCi/L	Crowell	900
07440-61-1	Uranium, Mass Concentration	9.	0.9	1.0	ug/L	Patel	200.8
13982-63-3	Radium-226, SDWA Method	0.24	0.02	0.01	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.20	0.11	0.15	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

RECEIVED NOV 2008

Reviewed By:

Nidal Jadalla

10/28/2008

NEW MEXICO DEPARTMENT OF HEALTH		NALYTICAL REQUEST FORM (INTERACTIVE)					
Request ID # Here One Form Per Sample	Scientific Laboratory Division 700 Camino de Salud NE - PO Box 4700 Albuquerque, NM 87196 - 4700 Phone 505 841 2500	One Form Per Sample RC0800289					
LAB DATE	(55321 (GWB - remediation superfund)	C 55000 (DWB - SDWA - fee-for-service)					
USE>>> CATIME STAMP	55410 (GWB - pollution prevention)	(55420 (DWB - non-reg. contaminants)					
LAB USE - SAMPLE TEMPERATURE (deg. C):	(55910 (SWQB - MS)	64000 (Individual client fee-for-service)					
SAMPLE PRIORITY: (1, 2, 3 - sall Lgb if 1 or 2) 3	(55920 (SWQB - PSRS)	OTHER (enter 5-digit user code)					
SUBMITTER CODE (3-digit): WSS CODE (xxx	xxxxxx): SITE ID (DWB = 4-digit,	SWQB = 13-chars):					
FACILITY / WSS NAME: Bluewater uranium m	ill CERCLIS ID NMD007106891						
FACILITY LOCATION (if no WSS complete boxes):	County: Cibola City: Milan	State: NM, or change to: NM					
SAMPLING LOCATION: BWSI - C	>3						
DATE COLLECTED (MM-DD-YY): 05/25/	BY: Last Name: 1)13500	- Dixon					
TIME COLLECTED (HH:MM 24-hr): 10.30	THE STATE OF THE S	Farle					
SAMPLE INFO CONTACT Phone: 476-377	7 Name if not collector: David L. Maye	rson					
New/Change Address for Submitter	> Name: NMED/GWQB/S	os					
New/Change Address for WSS/Client	> Address: 1190 St. Francis	Dr. N2300					
Send an additional report to	> City: Santa Fe, NM 8	7502					
FIELD DATA (© Non-chlorinated (Chlorinate AND REMARKS Field remarks:	d Residual (mg/l): pH: Conductivi	ty (uS/cm): Temperature (deg. C):					
SAMPLING	Compliance Non-compliance Split wi water Confirmation 🔀 Other Describe: si	ith facility Grab sample Composite					
SAMPLE Filtered water Non-filtered water TYPE Other air/liquid/solid Describe:	C Soil/Sediment C Sludge C Blood C U	rine (Tissue (Saliva (Swipe/Smear					
PRESERVATION None Shipped at < 4 C C	HCl added to pH < 2 HNO3 added to pH < 2 to pH > 12 Other Describe:	H2SO1 added to pH < 2 Asc. acid added					
HM ANALYSES LIST							
OR ANALYSES LIST							
RC ANALYSES LIST 803 SDWA sequential w	ith Ra-228, 2 gal. (EPA 900.0/903.1/904.0, etc.))					
WC ANALYSES LIST							
ADDITIONAL ANALYSES							
	rved to pH > 12 at Lab Preserved to pH < 2 at	Lab Date/Initial: 27Aug CS/JZE					
USE Lab Remarks:							
We, the undersigned, certify that on 27/02 at 15:35 the sample identified on the container(s) and this form by Request ID number 24/940 was transferred with evidentiary stalks (check applicable box) (Not Present Present Intact Present Damaged Released by: Signature Additional Transfer If Applicable							
We, the undersigned, certify that onat	the sample identified on the container(s)	and this form by Request ID number					
was transferred with evidentiary seal(s) (check application		← Present & Damaged					
Released by:	& Received by:						
Signature Signature	Form last modified on 03/17/08	Sianature Reset Form					

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

December 19, 2008

Request ID No. 2419414 **ANALYTICAL REPORT**

SLD Accession No. RC-2008-0295

Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED GWQ Bureau Abatement and Asse P.O. Box 26110

Santa Fe, NM 87502

COLLECTION

Submitter: NMED - Ground Water Pollution Prevention S

P.O. Box 26110

Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section Scientific Laboratory Division 700 Camino de Salud, NE P.O. Box 4700

Albuquerque, NM 87196-4700

LOCATION

DEMOGRAPHIC DATA

By: BALL, JUSTIN In/Near: Milan	Facill			RANIUM MII	L CERCLIS ID N	MD007106891
An	alytical F	Results				1,
Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method
Gross Alpha w/ Am-241 Reference	4.9	0.8	1.1	pCi/L	Crowell	SM 7110 B
Gross Alpha w/ U-nat Reference	6.2	1.0	1.4	pCi/L	Crowell	SM 7110 B
Gross Beta w/ Cs-137 Reference	7.6	1.0	1.5	pCi/L	Crowell	SM 7110 B
Gross Beta w/ Sr/Y-90 Reference	7.2	1.0	1.4	pCi/L	Crowell	SM 7110 B
Radium-226, Total	0.91	0.04	0.01	pCi/L	Valdez	903.1
Radium-228, Total	0.37	0.40.	0.58	pCi/L	Ewing	904.0
	Analyte Gross Alpha w/ Am-241 Reference Gross Alpha w/ U-nat Reference Gross Beta w/ Cs-137 Reference Gross Beta w/ Sr/Y-90 Reference Radium-226, Total	Analytical F Analyte Analyte Gross Alpha w/ Am-241 Reference Gross Alpha w/ U-nat Reference Gross Beta w/ Cs-137 Reference Gross Beta w/ Sr/Y-90 Reference Radium-226, Total Analytical F Value 4.9 7.6 7.6 7.6 7.6 7.0 7.0 7.1	Analytical Results Analyte Value Sigma Gross Alpha w/ Am-241 Reference 4.9 0.8 Gross Alpha w/ U-nat Reference 6.2 1.0 Gross Beta w/ Cs-137 Reference 7.6 1.0 Gross Beta w/ Sr/Y-90 Reference 7.2 1.0 Radium-226, Total 0.91 0.04	Analytical Results Analyte Value Sigma D. Lmt. Gross Alpha w/ Am-241 Reference 4.9 0.8 1.1 Gross Alpha w/ U-nat Reference 6.2 1.0 1.4 Gross Beta w/ Cs-137 Reference 7.6 1.0 1.5 Gross Beta w/ Sr/Y-90 Reference 7.2 1.0 1.4 Radium-226, Total 0.91 0.04 0.01	Analytical Results Analyte Value Sigma D. Lmt. Units Gross Alpha w/ Am-241 Reference 4.9 0.8 1.1 pCi/L Gross Alpha w/ U-nat Reference 6.2 1.0 1.4 pCi/L Gross Beta w/ Cs-137 Reference 7.6 1.0 1.5 pCi/L Gross Beta w/ Sr/Y-90 Reference 7.2 1.0 1.4 pCi/L Radium-226, Total 0.91 0.04 0.01 pCi/L	Analyteal Results Analyte Value Sigma D. Lmt. Units Analyst Gross Alpha w/ Am-241 Reference 4.9 0.8 1.1 pCi/L Crowell Gross Alpha w/ U-nat Reference 6.2 1.0 1.4 pCi/L Crowell Gross Beta w/ Cs-137 Reference 7.6 1.0 1.5 pCi/L Crowell Gross Beta w/ Sr/Y-90 Reference 7.2 1.0 1.4 pCi/L Crowell Radium-226, Total 0.91 0.04 0.01 pCi/L Valdez

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (~d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

12/19/2008

Per sample Phone 505 841 2500 Per sample RC0800295
USE>> DATE 55321 (GWB - remediation superfund) 55000 (DWB - SDWA - fee-for-service)
ONLY 2419414 STAMP 55410 (GWB - pollution prevention) 55420 (DWB - non-reg. contaminants)
LAB USE - SAMPLE TEMPERATURE (deg. C): /// 55910 (SWQB - MS) 64000 (Individual client fee-for-service)
SAMPLE PRIORITY: (1, 2, 3 - call Lab if 1 or 2) 3' 55920 (SWQB - PSRS) OTHER (enter 5-digit user code)
SUBMITTER CODE (3-digit): 54/ WSS CODE (xxxxxxxxxxx): SITE ID (DWB = 4-digit, SWQB = 13-chars):
FACILITY / WSS NAME: Bluewater uranium mill CERCLIS ID NMD007106891
FACILITY LOCATION (if no WSS complete boxes): County: Cibola City: Milan State: NM, or change to: NM
SAMPLING LOCATION: BWSI-04
DATE COLLECTED (MM-DD-YY): 8/26/08 BY: Last Name: Ball
TIME COLLECTED (HH:MM 24-hr): 15:45 First Name: Justin
SAMPLE INFO CONTACT Phone: 476-3777 Name if not collector: David L. Mayerson
New / Change Address for Submitter> Name: NMED/GWQB/SOS
New / Change Address for WSS / Client
Send an additional report to
FIELD DATA Non-chlorinated Chlorinated Residual (mg/l): pH: Conductivity (uS/cm): Temperature (deg. C): AND REMARKS Field remarks:
SAMPLING NMED monitoring Compliance Non-compliance Split with facility Grab sample Composite DOCUMENTATION Finished water Raw water Confirmation Other Describe: site characterization
SAMPLE (Filtered water © Non-filtered water C Soil/Sediment C Sludge C Blood C Urine C Tissue C Saliva C Swipe/Smear TYPE Other air/liquid/solid Describe:
PRESERVATION None Shipped at < 4 C HCl added to pH < 2 HNO3 added to pH < 2 H:SO4 added to pH < 2 Asc. acid added Lab to acidify NaOH added to pH > 12 Other Describe:
HM ANALYSES LIST
OR ANALYSES LIST
RC ANALYSES LIST 803 SDWA sequential with Ra-228, 2 gal. (EPA 900.0/903.1/904.0, etc.)
WC ANALYSES LIST
ADDITIONAL ANALYSES
FOR Field preservation confirmed Preserved to pH > 12 at Lab Preserved to pH < 2 at Lab Date/Initial: 27 AUGUS JZE
USE Lab Remarks:
/ / Please use CHAIN OF CUSTODY FORM when requirements mandate
We, the undersigned, certify that on 2/21/05 15:35 the sample identified on the container(s) and this form by Request ID number 24/194/
was transferred with evidentiar seal(s) (check applicable box) (Not Present & Present & Intact (Present & Damaged
Released by: Signature Additional Transfer If Carrilland Is a Company of Carrilland Is a Carrilland Is a Company of Carrilland Is a Company of Carrilland
Additional Transfer If Applicable
We, the undersigned, certify that onatthe sample identified on the container(s) and this form by Request ID number
was transferred with evidentiary seal(s) (check applicable box) (Not Present & Intact (Present & Damaged
Released by: & Received by:
Print Form Signature Signature Reset Form

State of New Mexico

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

November 21, 2008

Request ID No. 2419404

ANALYTICAL REPORT SLD Accession No. RC-2008-0297 Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED - Ground Water Pollution Preventio P.O. Box 26110

Santa Fe, NM 87502

User: NMED GWQ Bureau Abatement and Assessm P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section **Scientific Laboratory Division** 700 Camino de Salud, NE P.O. Box 4700 Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

	COLLECTION	LOCATION				
On: 8/25/2008	By: DIXON, EARLE	Facility:	BLUEWATER URANIUM MILL CERCLIS ID NMD007106891			
At: 14:34	In/Near: Milan		BWSI-05			

Analytical Results							A.
CAS No.	Analyte	Value	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	10.4	1.3	1.6	pCi/L	Crowell	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	13.8	1.8	2.1	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	14.8	1.6	2.0	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	14.0	1.5	1.9	pCi/L	Crowell	SM 7110 B
07440-61-1	Uranium, Mass Concentration	12.0	1.2	1.0	ug/L	Patel	200.8
13982-63-3	Radium-226, SDWA Method	-0.05	0.01	0.01	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.41	0.11	0.15	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By: ____

Nidal Jadalla

11/12/2008

NEW MEXICO DEPARTMENT OF HEALTH CHEMISTRY BUREAU ANALYTICAL REQUEST FORM (
Scientific Laboratory Division	(INTERACTIVE)
INOCHIOCT II) X MOTO	
Per Sample Phone 505 841 2500 Per Sample RCO	800297
LAB USE>>> DATE 55321 (GWB - remediation superfund) 55000 (DWB - SDWA - fee-for	-service)
ONLY 2419404 STAMP (5 55410 (GWB - pollution prevention) 55420 (DWB - non-reg. conta	minants)
LAB USE - SAMPLE TEMPERATURE (deg. C): (55910 (SWQB - MS) 64000 (Individual client fee-fo	or-service)
SAMPLE PRIORITY: (1, 2, 3 - call Lqb if 1 or 2) 3 (55920 (SWQB - PSRS) OTHER (enter 5-digit user code	fe)
SUBMITTER CODE (3-digit): WSS CODE (xxxxxxxxxx): SITE ID (DWB = 4-digit, SWQB = 13-chars):	
FACILITY / WSS NAME: Bluewater uranium mill CERCLIS ID NMD007106891	
FACILITY LOCATION (if no WSS complete boxes): County: Cibola City: Milan State: NM, or	change to: NM
SAMPLING LOCATION: BUSI - 05	
DATE COLLECTED (MM-DD-YY): 03/25/03 BY: Last Name: Dexert	
TIME COLLECTED (HH:MM 24-hr): 4 First Name: First Name:	
SAMPLE INFO CONTACT Phone: 476-3777 Name if not collector: David L. Mayerson	
New/Change Address for Submitter	
New/Change Address for WSS/Client	
Send an additional report to> City: Santa Fe, NM 87502	
FIELD DATA (© Non-chlorinated (Chlorinated Residual (mg/l): pH: Conductivity (uS/cm): Temperature	(deg. C):
REMARKS Field remarks:	
SAMPLING NMED monitoring Compliance Non-compliance Split with facility Grab sample	Composite
DOCUMENTATION Finished water Raw water Confirmation X Other Describe: site characterization	
SAMPLE (Filtered water (Non-filtered water (Soil/Sediment (Sludge (Blood (Urine (Tissue (Saliva (Swipe/Smear
TYPE Other air/liquid/solid Describe:	
PRESERVATION None Shipped at $< 4C$ HCl added to pH < 2 HNO3 added to pH < 2 H25O4 added to pH < 2 Lab to acidify NaOH added to pH > 12 Other Describe:	Asc. acid added
HM ANALYSES LIST	
OR ANALYSES LIST	
RC ANALYSES LIST 803 SDWA sequential with Ra-228, 2 gal. (EPA 900.0/903.1/904.0, etc.)	
WC ANALYSES LIST	
ADDITIONAL ANALYSES	
	0123
LAB	SI VE
USE Lab Remarks: , Please use CHAIN OF CUSTODY FORM when requirements mandate	
	74,84
We, the undersigned, certify that on $8127/62$ at 15.35 the sample identified on the container(s) and this form by Request ID number	per <u>× / / / / / </u>
was transferred with eyiden hary feels) (check applicable box) (Not Present & Present & Intact (Present & Damaged	
Released by: Signature & Received by: Signature	
Additional Transfer If Applicable	
We, the undersigned, certify that onatthe sample identified on the container(s) and this form by Request ID number to the sample identified on the container (s) and this form by Request ID number to the sample identified on the container (s) and this form by Request ID number to the sample identified on the container (s) and this form by Request ID number to the sample identified on the container (s) and this form by Request ID number to the sample identified on the container (s) and this form by Request ID number to the sample identified on the container (s) and this form by Request ID number to the sample identified on the container (s) and this form by Request ID number to the sample identified on the container (s) and this form by Request ID number to the sample identified on the container (s) and this form by Request ID number to the sample identified on the container (s) and this form by Request ID number to the sample identified on the container (s) and this form by Request ID number to the sample identified on the container (s) and the container (s	per
was transferred with evidentiary seal(s) (check applicable box) Not Present Present Intact Present & Damaged	
Released by: & Received by:	
Sianature Sianature	nrot Form

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

October 23, 2008

Request ID No. 2419400 ANALYTICAL REPORT

SLD Accession No. RC-2008-0287

Distribution

(x) User 55321

(x) 0361 000E1

(x) Submitter 541 . Client 0-0

(x) SLD Files

To: NMED GWQ Bureau Abatement and Asse P.O. Box 26110

Santa Fe, NM 87502

Submitter: NMED - Ground Water Pollution Prevention S

P.O. Box 26110

Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section Scientific Laboratory Division 700 Camino de Salud, NE P.O. Box 4700

Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

COLLECTION

On: 8/25/2008 By: PASTERIS, AL
At: 10:45 In/Near: Milan

LOCATION

Facility: BLUEWATER URANIUM MILL CERCLIS ID NMD007106891

BWSI-06

Analytical Results							
CAS No.	Analyte	<u>Value</u>	<u>Sigma</u>	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	4.0	0.7	1.1	pCi/L	Crowell	900
12587-46-1	Gross Alpha w/ U-nat Reference	4.9	0.9	1.3	pCi/L	Crowell	900
12587-47-2	Gross Beta w/ Cs-137 Reference	2.3	0.9	1.6	pCi/L	Crowell	900
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	2.3	0.9	1.6	pCi/L	Crowell	900
13982-63-3	Radium-226, SDWA Method	0.19	0.02	10.0	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.27	0.11	0.13	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By: __

Nidal Jadalla

10/23/2008

NEW MEXICO DEPARTM Request ID # Here	One Form Per Sample		CHEMISTRY BUREA cientific Laboratory Div mino de Salud NE - PO ouquerque, NM 87196 Phone 505 841 2500	rision Box 4700 - 4700		FORM (INTERACTIVE) RC0800287
USE>>>	DATE STIME	74.2	21 (GWB - remediation su		55000 (DWB - SDW)	A - fee-for-service)
ONLY 2419400		C 554	10 (GWB - pollution preve	ntion)	55420 (DWB - non-	reg. contaminants)
LAB USE - SAMPLE TEMPER	RATURE (deg. C): 9	C 559	10 (SWQB - MS)		64000 (Individual c	lient fee-for-service)
SAMPLE PRIORITY: (1, 2, 3	call Lab if 1 or 2) 3	C 559	20 (SWQB - PSRS)		OTHER (enter 5-dig	it user code)
SUBMITTER CODE (3-digit)	WSS CODE (XXX	xxxxxx):	SITE II	D (DWB = 4-digit, S)	WQB = 13-chars):	
FACILITY / WSS NAME:	Bluewater uranium m	ill CERC	LIS ID NMD007106891			
FACILITY LOCATION (if no)	VSS complete boxes):	County	Cibola	City: Milan	Stat	e: NM, or change to: NM
SAMPLING LOCATION:	BWSI	-00	5			
DATE COLLECTED (MM-DD	-rn: 8/25/0	3	BY: Last Name:	Pasterie	5	
TIME COLLECTED (HH:MM 2	24-hr): 10:14	5	First Name:			
SAMPLE INFO CONTACT PH	none: 476-377	7	Name if not collector:	David L. Mayers	on	
☐ New / Change Address fo	r Submitter	>	Name:	NMED/GWQB/SOS	S	
New/Change Address fo	or WSS/Client	>	Address:	1190 St. Francis D	r. N2300	
Send an additional repor	t to	>	City:	Santa Fe, NM 875	02	
FIELD DATA Non-chl AND REMARKS Field rem		d Residu	ual (mg/l): pH:	Conductivity	(uS/cm): Ten	nperature (deg. C):
DOCUMENTATION	A transmitted and a substitution of the substi	Compliar water	nce			mple Composite
JUINI FF	Non-filtered water	C Soil/	Sediment (Sludge (Blood C Urin	ne (Tissue (Sa	liva (Swipe/Smear
TYPE Other air/liquid	d/solid Describe:		/			
PRESERVATION None	Shipped at < 4C				H ₂ SO ₄ added to pH <	2 Asc. acid added
HM ANALYSES LIST						
OR ANALYSES LIST						
RC ANALYSES LIST 80	03 SDWA sequential w	ith Ra-2	28, 2 gal. (EPA 900.0/90	03.1/904.0, etc.)		
WC ANALYSES LIST						
ADDITIONAL ANALYSES					2.12.10	
FOR Field preservation	confirmed Prese	rved to pl	H > 12 at Lab Prese	rved to pH < 2 at La	b Date/Initial: 201	Aug ME
USE Lab Remarks:			/un-3			0
Please use CHAIN OF CUSTODY FORM when requirements mandate						
We, the undersigned certify	/ // Date	Time			nd this form by Reques	t ID number 17/17-70
was transferred with evidentiary seal(s) (check applicable box) (Not Present (Present & Totact (Present & Damaged						
Released by:	Signature)	& Received by:	cable	Signature S	25
We the underland and	that on				nd this form his D	t ID number
We, the undersigned, certify was transferred with evident	Date	Time	the sample identified on Not Present Present			THE HUMBER
Released by:			& Received by:			
	Signature		a necewed by		Signature	
Print Form		E	orm last modified on 03/	17/09		Reset Form



P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

December 19, 2008

Request ID No. 2419408

ANALYTICAL REPORT

SLD Accession No. RC-2008-0301

Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED GWQ Bureau Abatement and Asse P.O. Box 26110 Santa Fe, NM 87502

Submitter: NMED - Ground Water Pollution Prevention S P.O. Box 26110

Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section Scientific Laboratory Division 700 Camino de Salud, NE P.O. Box 4700 Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

COLLECTION LOCATION Facility: BLUEWATER URANIUM MILL CERCLIS ID NMD007106891 On: 8/26/2008 By: BALL, JUSTIN In/Near: Milan **BWSI-07** At: 10:05

Analytical Results							
CAS No.	Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	6.3	1.2	2.1	pCi/L	Crowell	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	8.4	1.6	2.7	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	15.2	1.6	2.5	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	14.4	1.5	2.3	pCi/L	Crowell	SM 7110 B
07440-61-1	Uranium, Mass Concentration	12.	1.2	1.0	uG/L	Patel	200.8
13982-63-3	Radium-226, SDWA Method	0.08	0.07	0.06	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.25	0.10	0.15	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

12/19/2008

NEW MEXY D DEPARTMENT OF HEALTH CHEMISTRY BUREAU A	NALYTICAL REQUEST FORM (INTERACTIVE)							
Scientific Laboratory Division	" " I I I I I							
Request ID # Here 700 Camino de Salud NE - PO Box 4700 One Form Albuquerque NM 87196 - 4700	One Form							
One Form Albuquerque, NM 87196 - 4700 Per Sample Phone 505 841 2500	Per Sample RC0800301							
LAB USE>>	C 55000 (DWB - SDWA - fee-for-service)							
ONLY 2419408 STAMP (55410 (GWB-pollution prevention)	55420 (DWB - non-reg. contaminants)							
LAB USE - SAMPLE TEMPERATURE (deg. C): 12 C 55910 (SWOB MS) 27 PH 3: 48	(64000 (Individual client fee-for-service)							
SAMPLE PRIORITY: (1, 2, 3 - call Lab if 1 or 2) 3								
SUBMITTER CODE (3-digit): 54 / WSS CODE (xxxxxxxxxx): SITE ID (DWB = 4-digit,	, SWQB = 13-chars):							
FACILITY / WSS NAME: Bluewater uranium mill CERCLIS ID NMD007106891								
FACILITY LOCATION (if no WSS complete boxes): County: Cibola City: Milan	State: NM, or change to: NM							
SAMPLING LOCATION: BINSTO7								
DATE COLLECTED (MM-DD-YY): 8/26/08 BY: Last Name: BM//								
TIME COLLECTED (HH:MM 24-hr): 10:05 First Name: Justin								
SAMPLE INFO CONTACT Phone: 476-3777 Name if not collector: David L. Maye	rson							
New / Change Address for Submitter> Name: NMED/GWQB/S	505							
New / Change Address for WSS / Client	Dr. N2300							
Send an additional report to	7502							
FIELD DATA (Non-chlorinated Chlorinated Residual (mg/l): pH: Conductivi	ity (uS/cm): Temperature (deg. C):							
REMARKS Field remarks:								
SAMPLING NMED monitoring Compliance Non-compliance Split w DOCUMENTATION Finished water Raw water Confirmation Other Describe: S								
SAMPLE Filtered water Non-filtered water Soil/Sediment Sludge Blood U	rine (Tissue (Saliva (Swipe/Smear							
TYPE Other air/liquid/solid Describe:								
PRESERVATION Shipped at < 4C HCl added to pH < 2 HNO3 added to pH < 2	H2SO4 added to pH < 2							
Lab to acidify NaOH added to pH > 12 Other Describe:								
HM ANALYSES LIST								
OR ANALYSES LIST								
RC ANALYSES LIST 803 SDWA sequential with Ra-228, 2 gal. (EPA 900.0/903.1/904.0, etc.)							
WC ANALYSES LIST								
ADDITIONAL ANALYSES								
FOR Field preservation confirmed Preserved to pH > 12 at Lab Preserved to pH < 2 at	Lab Date/Initial: 27 Aug 08/JCE							
USE Lab Remarks:								
Please use CHAIN OF CUSTODY FORM when requires	ments mandate							
We, the undersigned, certify that on $\frac{27/02}{419408}$ at $\frac{15:35}{419408}$ the sample identified on the container(s) and this form by Request ID number $\frac{24/9408}{419408}$								
was transferred with evidentiary seal(s) (check applicable box) (Not Present & Present & Invact (Present & Damaged								
Released by: & Received by: Signature Signature								
Additional Transfer If Applicable								
We, the undersigned, certify that onatthe sample identified on the container(s)	* /							
was transferred with evidentiary seal(s) (check applicable box) (Not Present (Present & Intact	(Present & Damaged							
Released by: & Received by:								
Signature	Signature Reset Form							

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

December 5, 2008

Request ID No. 2419409

ANALYTICAL REPORT SLD Accession No. RC-2008-0302

Distribution

(x) User 55321

(x) Submitter 541 . Client 0-0

(x) SLD Files

To: NMED - Ground Water Pollution Preventio P.O. Box 26110

Santa Fe, NM 87502

User: NMED GWQ Bureau Abatement and Assessm P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section **Scientific Laboratory Division** 700 Camino de Salud, NE P.O. Box 4700 Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

	COLLECTION		LOCATION				
On: 8/26/2008	By: RIVERA, SABINO	Facility:	BLUEWATER URANIUM MILL CERCLIS ID NMD007106891				
At: 9:03	In/Near: Milan		BWSI-08	-			
		Analistical Dec		7			

Analytical Results							űl'
CAS No.	Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	1.8	0.8	1.6	pCi/L	Crowell	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	2.0	0.9	1.8	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	5.6	0.1	1.9	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	5.6	1.0	1.9	pCi/L	Crowell	SM 7110 B
13982-63-3	Radium-226, SDWA Method	-0.01	0.03	0.01	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	-0.01	0.11	0.15	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

Nidal Jadalla

12/2/2008

NEW MEXICO DEPARTMENT OF HEALTH CHEMISTRY BUREAU ANALYTICAL REQUEST FORM (INTERACTIV
Request ID # Here Scientific Laboratory Division 700 Camino de Salud NE - PO Box 4700
One Form Albuquerque, NM 87196 - 4700 One Form
DATE G 55321 (GWR - remediation superfund) C 55000 (DWR - SDWA - fee for-service)
USE>>> INDITION THE CONTROL OF THE C
2415405
SAMPLE PRIORITY: (1, 2, 3 - call Lab if 1 or 2) 3 (SWQB - PSRS) OTHER (enter 5-digit user code)
SUBMITTER CODE (3-digit): 54/ WSS CODE (xxxxxxxxxx): SITE ID (DWB = 4-digit, SWQB = 13-chars):
FACILITY / WSS NAME: Bluewater uranium mill CERCLIS ID NMD007106891
FACILITY LOCATION (if no W55 complete boxes): County: Cibola City: Milan State: NM, or change to: NM
SAMPLING LOCATION: BW5I -08
DATE COLLECTED (MM-DD-YY): 8/2608 BY: Last Name: Rivera
TIME COLLECTED (HH:MM 24-hr): 9:03 First Name: Sabino
SAMPLE INFO CONTACT Phone: 476-3777 Name if not collector: David L. Mayerson
New / Change Address for Submitter> Name: NMED/GWQB/SOS
New/Change Address for WSS/Client
Send an additional report to> City: Santa Fe, NM 87502
FIELD DATA
AND REMARKS Field remarks:
SAMPLING NMED monitoring Compliance Non-compliance Split with facility Grab sample Composite
DOCUMENTATION Finished water Raw water Confirmation X Other Describe: site characterization
SAMPLE (Filtered water (6 Non-filtered water (Soil/Sediment (Sludge (Blood (Urine (Tissue (Saliva (Swipe/Smear
TYPE Other air/liquid/solid Describe:
None
PRESERVATION Lab to acidify NaOH added to pH > 12 Other Describe:
HM ANALYSES LIST
OR ANALYSES LIST
RC ANALYSES LIST 803 SDWA sequential with Ra-228, 2 gal. (EPA 900.0/903.1/904.0, etc.)
WC ANALYSES LIST
ADDITIONAL ANALYSES
LAB
Please use CHAIN OF CUSTODY FORM when requirements mandate
We, the undersigned, certify that on 8/27/08 at 15:35 the sample identified on the container(s) and this form by Request ID number 24/946
was transferred with evidentiary seal(s) (check applicable box) (Not Present (Present & Intact (Present & Damaged
Released by: & Received by: & The Mark 1800
Signature Signature
Additional Transfer If Applicable
We, the undersigned, certify that onatthe sample identified on the container(s) and this form by Request ID number
was transferred with evidentiary seal(s) (check applicable box) (Not Present & Intact (Present & Damaged
Released by: & Received by:
Signature Signature Signature Reset Form

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud. NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

November 21, 2008

Request ID No. 2419412 ANALYTICAL REPORT
SLD Accession No. RC-2008-0293

Distribution
(x) User 55321
(x) Submitter 541

. Client 0-0 (x) SLD Files

To: NMED - Ground Water Pollution Preventio P.O. Box 26110 Santa Fe, NM 87502 User: NMED GWQ Bureau Abatement and Assessm P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section
Scientific Laboratory Division
700 Camino de Salud, NE
P.O. Box 4700
Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

COLLECTION		LOCATION				
	8/26/2008 11:44	By: RIVERA, SABINO In/Near: Milan	Facility:	BLUEWATER URANIUM MILL CERCLIS ID NMD007106891 BWSI-09		
			Analytical Res	sults	100	

Analytical Results							
CAS No.	Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	4.2	0.7	1.1	pCi/L	Crowell	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	5.3	1.0	1.4	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	6.0	1.0	1.5	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	5.7	0.9	1.4	pCi/L	Crowell	SM 7110 B
13982-63-3	Radium-226, SDWA Method	-0.01	0.01	0.01	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.10	0.10	0.14	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

Nidal Jadalla

11/17/2008



NEW MEXICO DEPARTMENT OF HEALTH CHEMISTRY BUREAU ANALYTICAL REQUEST FORM (INTERACTIV							
Request ID # Here Scientific Laboratory Division 700 Camino de Salud NE - PO Box 4700							
One Form Albuquerque, NM 87196 - 4700 One Form Per Sample Phone 505 841 2500 Per Sample RC0800293							
LAB DATE © 55321 (GWB - remediation superfund) C 55000 (DWB - SDWA - fee-for-service)							
ONLY 2419412 STAMP (55410 (GWB - pollution prevention) (55420 (DWB - non-reg. contaminants)							
LAB USE - SAMPLE TEMPERATURE (deg. C): 12 (55910 (SWQB - MS) (64000 (Individual client fee-for-service)							
SAMPLE PRIORITY: (1, 2, 3 - call Lab if 1 or 2) 3							
SUBMITTER CODE (3-digit): 54/ WSS CODE (xxxxxxxxxx): SITE ID (DWB = 4-digit, SWQB = 13-chars):							
FACILITY / WSS NAME: Bluewater uranium mill CERCLIS ID NMD007106891							
FACILITY LOCATION (if no WSS complete boxes): County: Cibola City: Milan State: NM, or change to: NM							
SAMPLING LOCATION: BWSI-09							
DATE COLLECTED (MM-DD-YY): 8/26/09 BY: Last Name: Rivera							
TIME COLLECTED (HH:MM 24-hr): 11:44 14:45113 First Name: Salino							
SAMPLE INFO CONTACT Phone: 476-3777 Name if not collector: David L. Mayerson							
New / Change Address for Submitter> Name: NMED/GWQB/SOS							
New / Change Address for WSS / Client> Address: 1190 St. Francis Dr. N2300							
Send an additional report to> City: Santa Fe, NM 87502							
FIELD DATA (6 Non-chlorinated (Chlorinated Residual (mg/l): pH: Conductivity (uS/cm): Temperature (deg. C):							
REMARKS Field remarks:							
SAMPLING NMED monitoring Compliance Non-compliance Split with facility Grab sample Composite DOCUMENTATION Finished water Confirmation Other Describe: site characterization							
SAMPLE (Filtered water (6 Non-filtered water (Soil/Sediment (Sludge (Blood (Urine (Tissue (Saliva (Swipe/Smea TYPE (Other air/liquid/solid Describe:							
PRESERVATION None Shipped at < 4 C HCl added to pH < 2 HNO3 added to pH < 2 H2SO1 added to pH < 2 Asc. acid added to pH = 12 Cher Describe:							
HM ANALYSES LIST							
OR ANALYSES LIST							
RC ANALYSES LIST 803 SDWA sequential with Ra-228, 2 gal. (EPA 900.0/903.1/904.0, etc.)							
WC ANALYSES LIST							
ADDITIONAL ANALYSES							
FOR Field preservation confirmed Preserved to pH > 12 at Lab Preserved to pH < 2 at Lab Date/Initial: 2 Nugos/JCB							
USE Lab Remarks:							
Please use CHAIN OF CUSTODY FORM when requirements mandate							
We, the undersigned, certify-that on 2/17/0 at 15:35 the sample identified on the container(s) and this form by Request ID number 24194							
was transferred with evidentiary seal(s) (check applicable box) (Not Present Present Intact Present Damaged							
Released by:							
Signature Signature Signature Additional Transfer If Applicable							
We, the undersigned, certify that onatthe sample identified on the container(s) and this form by Request ID number							
Date Time							
Date Time							

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

November 21, 2008

Request ID No. 2419410 ANALYTICAL REPORT
SLD Accession No. RC-2008-0291

Distribution

(x) User 55321

(x) Submitter 541

Client 0-0

(x) SLD Files

To: NMED - Ground Water Pollution Preventio P.O. Box 26110 Santa Fe, NM 87502

User: NMED GWQ Bureau Abatement and Assessm P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section
Scientific Laboratory Division
700 Camino de Salud, NE
P.O. Box 4700
Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

	COLLECTION	LOCATION							
On: 8/26/20	08 By: MAYERSON, DAVID	Facility:	BLUEWATER URANIUM MILL CERCLIS ID NMD007106891						
At: 9:14	In/Near: Milan		BWSI-10						

Analytical Results							
CAS No.	Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	5.1	1.0	1.6	pCi/L	Crowell	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	5.8	1.1	1.8	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	2.6	1.1	2.1	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	2.5	1.1	2.1	pCi/L	Crowell	SM 7110 B
13982-63-3	Radium-226, SDWA Method	0.05	10.0	0.01	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.39	0.11	0.14	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By: مرج

Nidal Jadálla

11/12/2008



NEW MEXICO DEPARTM Request ID # Here	equest ID # Here One Form Per Sample		REAU A y Division - PO Box 4700 196 - 4700 2500	One Form Per Sample RC0800291			
USE>>> USE>>> 241941 LAB USE - SAMPLE TEMPE SAMPLE PRIORITY: (1, 2, 3	O STAMP ERATURE (deg. C):	55321 (GWB - remediate 55410 (GWB - pollution 0 Alor 7 Pin 3 55910 (SWQB - MS) 55920 (SWQB - PSRS)	prevention)	 55000 (DWB - SDWA - fee-for-service) 55420 (DWB - non-reg. contaminants) 64000 (Individual client fee for-service) OTHER (enter 5-digit user code) 			
SUBMITTER CODE (3-digit)	541 WSS CODE (xxx	xxxxxx):	ITE ID (DWB = 4-digit,	, SWQB = 13-chars):			
FACILITY / WSS NAME:	Bluewater uranium m	iill CERCLIS ID NMD00710	5891				
FACILITY LOCATION (if no	WSS complete boxes):	County: Cibola	City: Milan	State: NM, or change to: NM			
SAMPLING LOCATION:	BWSI-10						
DATE COLLECTED (MM-DE		BY: Last N	ame: Mayers	%			
TIME COLLECTED (HH:MM		First N	/A	A			
SAMPLE INFO CONTACT F		7 Name if not coll	ector: David L. Maye				
New / Change Address t	for Submitter	·····> ^	ame: NMED/GWQB/S	SOS			
New/Change Address I	for WSS/Client	> Add	dress: 1190 St. Francis	s Dr. N2300			
Send an additional repo	ort to	····>	City: Santa Fe, NM 8	37502			
FIELD DATA Non-ch AND REMARKS Field rei	nlorinated Chlorinate marks:	d_Residual (mg/l): p	H: Conductivi	ity (uS/cm): Temperature (deg. C):			
DOCUMENTATION F	inished water Raw	Compliance Non-com	Other Describe: s	site characterization			
SAMPLE Filtered water TYPE Other air/liqu	p-sym-sec	(Soli/Sealment (Sicial	ge (B1000 (U	Irine (Tissue (Saliva (Swipe/Smear			
PRESERVATION '		HCl added to pH < 2 X I to pH > 12 Other Des		P HzSO4 added to pH < 2 Asc. acid added			
HM ANALYSES LIST							
OR ANALYSES LIST							
RC ANALYSES LIST	803 SDWA sequential w	rith Ra-228, 2 gal. (EPA 900	.0/903.1/904.0, etc.	.)			
WC ANALYSES LIST							
ADDITIONAL ANALYSES							
FOR Field preservation confirmed Preserved to pH > 12 at Lab Preserved to pH < 2 at Lab Date/Initial: \(\mathcal{I} \) \(\mathcal{A} \) \(\mathcal{B} \) \(\mathcal{I} \) \(\mathcal{B} \) \(\math							
We, the undersigned, certify that on 6/27/08 at 15:35 the sample identified on the container(s) and this form by Request ID number 24/94/6							
was transferred with evidentiary seals) (check applicable box) (Not Present & Present & Intact (Present & Damaged							
Released by: & Received by:							
	Additional Transfer If Applicable						
	We, the undersigned, certify that onatthe sample identified on the container(s) and this form by Request ID number Date Time was transferred with evidentiary seal(s) (check applicable box) (Not Present & Intact (Present & Damaged						
Released by:		& Received					
Print Form	Signature		00/17/55	Signature Page Form			

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

November 21, 2008

Request ID No. 2419411 ANALYTICAL REPORT

SLD Accession No. RC-2008-0292

Distribution

(x) User 55321

(x) Submitter 541 . Client 0-0

(x) SLD Files

To: NMED - Ground Water Pollution Preventio P.O. Box 26110 Santa Fe, NM 87502 User: NMED GWQ Bureau Abatement and Assessm P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section Scientific Laboratory Division 700 Camino de Salud, NE P.O. Box 4700 Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

	COLLECTION			LOCATION		
On: 8/26/2008 At: 9:55	By: MAYERSON, DAVID In/Near: Milan	OF PROPERTY OF	BLUEWATER I	URANIUM MILI	L CERCLIS ID NM	ID007106891
		Analytical Resu	ılts	SOT SOLETING		7
CACNO	Amelida	Volue Cie	- D. L.	Helte	Annhat	Mathad

	An	alytical F	Results	•	- wro		Sup
CAS No.	Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	2.5	0.6	1.1	pCi/L	Crowell	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	3.1	0.7	1.3	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	4.4	0.9	1.4	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	4.2	0.8	1.4	pCi/L	Crowell	SM 7110 B
13982-63-3	Radium-226, SDWA Method	0.01	10.0	0.01	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.03	0.10	0.14	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By: ____

Nidal Jadalla

11/12/2008

NEW MEXICO DEPART	MENT OF HEALTH	CHEMISTRY BUREAU	ANALYTICAL REQUEST FORM (IN	TERACTIVE)
Req it lĎ # Here		Scientific Laboratory Divisio 700 Camino de Salud NE - PO Bo	4700	
	One Form Per Sample	Albuquerque, NM 87196 - 47 Phone 505 841 2500		
LAB IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	DATE << <time< td=""><td>• 55321 (GWB - remediation superf</td><td>und) 55000 (DWB - SDWA - fee-for-se</td><td>rvice)</td></time<>	• 55321 (GWB - remediation superf	und) 55000 (DWB - SDWA - fee-for-se	rvice)
ONLY 241941		55410 (GWB - pollution preventio	n) 55420 (DWB - non-reg. contami	nants)
LAB USE - SAMPLE TEMP	PERATURE (deg. C):	55910 (SWQB - MS)	64000 (Individual client fee-for-	service)
SAMPLE PRIORITY: (1, 2,	3 - call Lab if 1 or 2) 3	55920 (SWQB - PSRS)	OTHER (enter 5-digit user code)	
SUBMITTER CODE (3-digital)	it): 541 WSS CODE (XXX	xxxxxx): SITE ID (D	WB = 4-digit, SWQB = 13-chars):	
FACILITY / WSS NAME:	Bluewater uranium m	nill CERCLIS ID NMD007106891		
FACILITY LOCATION (if n	o WSS complete boxes):	County: Cibola Ci	ty: Milan State: NM, or cho	ange to: NM
SAMPLING LOCATION:	BW51-11			
DATE COLLECTED (MM-D	D-YY): 08/26/08	BY: Last Name:	Majerson	
TIME COLLECTED (HH:MI	M24-hr): 9:55	First Name:	David	
SAMPLE INFO CONTACT	Phone: 476-377	7 Name if not collector: Da	vid L. Mayerson	
☐ New / Change Address	for Submitter	> Name: NM	ED/GWQB/SOS	
New / Change Address	for WSS/Client	> Address: 119	0 St. Francis Dr. N2300	
Send an additional rep	oort to	> <i>City:</i> San	ta Fe, NM 87502	
AND	thlorinated (Chlorinate emarks:	d Residual (mg/l): pH:	Conductivity (uS/cm): Temperature (de	eg. C):
DOCUMENTATION	Market Acceptance of the Control of	Compliance ☐ Non-compliance water ☐ Confirmation ☆ Other	Split with facility Grab sample Describe: site characterization	Composite
SUMPLE	er (Non-filtered water	C Soil/Sediment C Sludge C Bi	ood (Urine (Tissue (Saliva (Swipe/Smear
TYPE Other air/liq	uid/solid Describe:			
PRESERVATION		HCl added to pH < 2 X HNO3 add d to pH > 12 \ Other Describe:	led to pH < 2	c. acid added
HM ANALYSES LIST				
OR ANALYSES LIST		71117 B 188		
RC ANALYSES LIST	803 SDWA sequential w	vith Ra-228, 2 gal. (EPA 900.0/903.1	/904.0, etc.)	
WC ANALYSES LIST				
ADDITIONAL ANALYSES		Activities and the second of t		
FOR Field preservati	on confirmed Prese	erved to pH > 12 at Lab Preserved	topH < 2 at Lab Date/Initial: 27 Aug 08	THE
USE Lab Remarks:				
	, Pla	ease use CHAIN OF CUSTODY FORM	hen requirements mandate	
We, the undersigned, certi	fy that on 8/27/6 det	15:35 the sample identified on the	container(s) and this form by Request ID number	24/9411
was transferred with evide	entiary seal(s) (check applic	able box) (Not Present (Prese		
Released by:	Signature	& Received by:	Reta Ballingos	
) signature	Additional Transfer If Applicable	agrassite of	
1	Date	Time	container(s) and this form by Request ID number	
was transferred with evide		able box) (Not Present (Present	nt & Intact Present & Damaged	
Released by:	w	& Received by:		
Print Form	Signature		Signature	at Carm

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

December 3, 2008

Request ID No. 2819423

ANALYTICAL REPORT

SLD Accession No. RC-2008-0309

Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED GWQ Bureau Abatement and Asse

P.O. Box 26110

Santa Fe, NM 87502

Submitter: NMED - Ground Water Pollution Prevention S

P.O. Box 26110

Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 29, 2008

Client:

SLD: Radiochemistry Section Scientific Laboratory Division 700 Camino de Salud, NE P.O. Box 4700

Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

	COLLECTION	****	LOCATION
On: 8/27/2008 At: 11:25	By: JETTER, STEVE In/Near: Milan	Facility:	BLUEWATER URANIUM MILL CERCLIS ID NMD007106891
At. 11.25	mirical. Initials		PHOTE LANGE CONTRACTOR OF THE PARTY OF THE P

Analytical Results						in	
CAS No.	Analyte	Value	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	4.1	0.7	1.0	pCi/L	Crowell	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	5.2	0.9	1.2	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	6.7	1.1	1.7	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	6.5	1.0	1.7	pCi/L	Crowell	SM 7110 B
13982-63-3	Radium-226, SDWA Method	0.23	0.02	0.01	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.15	0.11	0.15	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

Nidal Jadalla

12/3/2008



Request ID # H ·e	One Form Per Sample	CHEMISTRY BUREAU Scientific Laboratory Division 700 Camino de Salud NE - PO Box 470 Albuquerque, NM 87196 - 4700 Phone 505 841 2500	Per Sample RC0800309
LAB USE>>> UUUJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJJ	DATE >>> III III III III	,	(55000 (DWB - SDWA - fee-for-service)
	23/100 25 STAMP		55420 (DWB - non-reg. contaminants)
LAB USE - SAMPLE TEMP	ERATURE (deg. C):	(55910 (SWQB-MS)	64000 (Individual client fee-for-service)
SAMPLE PRIORITY: (1, 2, 3	3 - call Lab if 1 or 2) 3	(55920 (SWQB - PSRS)	OTHER (enter 5-digit user code)
SUBMITTER CODE (3-digit): 541 WSS CODE (xx	(XXXXXXX): SITE ID (DWB =	4-digit, SWQB = 13-chars):
FACILITY / WSS NAME:	Bluewater uranium r	mill CERCLIS ID NMD007106891	
FACILITY LOCATION (if no	WSS complete boxes):	County: Cibola City: M	ilan State: NM, or change to: NM
SAMPLING LOCATION:	BUSI - 12		
DATE COLLECTED (MM-D	D-YY): 8/27/08	BY: Last Name: Je 4	ter
TIME COLLECTED (HH:MM	100		leve
SAMPLE INFO CONTACT	Phone: 476-37		
☐ New/Change Address	for Submitter	> Name: NMED/G	WQB/SOS
	for WS5/Client	> Address: 1190 St. I	Francis Dr. N2300
Send an additional rep	ort to	City: Santa Fe,	, NM 87502
FIELD DATA (a) Non-cl AND REMARKS Field re	hlorinated Chlorinat	ted Residual (mg/l): pH: Con	nductivity (uS/cm): Temperature (deg. C):
SAMPLE Filtered wate	Non-filtered water	wwater Confirmation X Other Desc r Soil/Sediment Sludge Blood	
SAMPLE Filtered wate TYPE Other air/lique PRESERVATION None	Non-filtered water uid/solid Describe: Shipped at < 4 C	Soil/Sediment Sludge Blood	
SAMPLE Filtered wate TYPE Other air/liqu PRESERVATION None	Non-filtered water uid/solid Describe: Shipped at < 4 C	Soil/Sediment Sludge Blood HCl added to pH < 2 ANO3 added to	C Urine C Tissue C Saliva C Swipe/Smean
SAMPLE Filtered wate TYPE Other air/lique PRESERVATION None Lab to	Non-filtered water uid/solid Describe: Shipped at < 4 C	Soil/Sediment Sludge Blood HCl added to pH < 2 ANO3 added to	C Urine C Tissue C Saliva C Swipe/Smean
SAMPLE Filtered wate TYPE Other air/liqu PRESERVATION None Lab to HM ANALYSES LIST OR ANALYSES LIST	id/solid Describe: Shipped at < 4 C acidify NaOH adde	Soil/Sediment Sludge Blood HCl added to pH < 2 ANO3 added to ed to pH > 12 Other Describe:	Urine Tissue Saliva Swipe/Smean
SAMPLE Filtered wate TYPE Other air/liqu PRESERVATION None Lab to HM ANALYSES LIST OR ANALYSES LIST RC ANALYSES LIST	id/solid Describe: Shipped at < 4 C acidify NaOH adde	Soil/Sediment Sludge Blood HCl added to pH < 2 ANO3 added to	Urine Tissue Saliva Swipe/Smean
SAMPLE Filtered water TYPE Other air/lique PRESERVATION None Lab to HM ANALYSES LIST OR ANALYSES LIST RC ANALYSES LIST WC ANALYSES LIST	id/solid Describe: Shipped at < 4 C acidify NaOH adde	Soil/Sediment Sludge Blood HCl added to pH < 2 ANO3 added to ed to pH > 12 Other Describe:	Urine Tissue Saliva Swipe/Smea.
PRESERVATION Lab to HM ANALYSES LIST OR ANALYSES LIST RC ANALYSES LIST WC ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preservation	Non-filtered water uid/solid Describe: Shipped at < 4 C a acidify NaOH adde	Soil/Sediment Sludge Blood HCl added to pH < 2 ANO3 added to ed to pH > 12 Other Describe:	Urine Tissue Saliva Swipe/Smean pH < 2 H2SO1 added to pH < 2 Asc. acid added .0, etc.)
SAMPLE Filtered wate TYPE Other air/lique PRESERVATION Lab to HM ANALYSES LIST OR ANALYSES LIST RC ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES	Non-filtered water iid/solid Describe: Shipped at < 4 C Describe: NaOH adde 803 SDWA sequential water on confirmed Pres	Soil/Sediment Sludge Blood HCI added to pH < 2 ANO3 added to pH > 12 Other Describe: with Ra-228, 2 gal. (EPA 900.0/903.1/904.	Urine Tissue Saliva Swipe/Smean pH < 2 H2SO1 added to pH < 2 Asc. acid added .0, etc.) H < 2 at Lab Date/Initial: 89 My & MC
SAMPLE Filtered water TYPE Other air/lique PRESERVATION Lab to HM ANALYSES LIST OR ANALYSES LIST RC ANALYSES LIST WC ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preservation Lab Remarks: We, the undersigned, certification	Non-filtered water iid/solid Describe: Shipped at < 4 C Describe: NaOH adde acidify NaOH adde NaOH adde on confirmed Presidents Presidents Presidents Presidents Presidents Presidents Presidents Presidents	HCI added to pH < 2 ANO3 added to ed to pH > 12 To Other Describe: with Ra-228, 2 gal. (EPA 900.0/903.1/904. Served to pH > 12 at Lab Preserved to pH Please use CHAIN OF CUSTODY FORM when r	Urine Tissue Saliva Swipe/Smean pH < 2 H2SO1 added to pH < 2 Asc. acid added .0, etc.) H < 2 at Lab Date/Initial: 89 aug & mc requirements mandate ainer(s) and this form by Request ID number 241942
SAMPLE Filtered water TYPE Other air/lique PRESERVATION Lab to HM ANALYSES LIST OR ANALYSES LIST RC ANALYSES LIST WC ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preservation Lab Remarks: We, the undersigned, certification	Non-filtered water iid/solid Describe: Shipped at < 4 C Describe: NaOH adde acidify NaOH adde NaOH adde on confirmed Presidents Presidents Presidents Presidents Presidents Presidents Presidents Presidents	Soil/Sediment Sludge Blood HCl added to pH < 2 ANO3 added to ed to pH > 12 Other Describe: with Ra-228, 2 gal. (EPA 900.0/903.1/904. Served to pH > 12 at Lab Preserved to phone of the sample identified on the contact.	Urine Tissue Saliva Swipe/Smean pH < 2 H2SO1 added to pH < 2 Asc. acid added .0, etc.) H < 2 at Lab Date/Initial: 89 aug & mc requirements mandate ainer(s) and this form by Request ID number 241942
SAMPLE Filtered water TYPE Other air/lique None PRESERVATION Lab to HM ANALYSES LIST OR ANALYSES LIST WC ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preservation LAB Lab Remarks: We, the undersigned, certification was transferred with evide was transferred with evide servation.	Non-filtered water iid/solid Describe: Shipped at < 4 C Describe: NaOH adde acidify NaOH adde NaOH adde	HCI added to pH < 2 HNO3 added to ed to pH > 12 TO ther Describe: with Ra-228, 2 gal. (EPA 900.0/903.1/904. Served to pH > 12 at Lab Preserved to pH Please use CHAIN OF CUSTODY FORM when recable box) (Not Present & Present	Urine Tissue Saliva Swipe/Smean pH < 2
SAMPLE Filtered water TYPE Other air/lique None PRESERVATION Lab to HM ANALYSES LIST OR ANALYSES LIST WC ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preservation LAB Lab Remarks: We, the undersigned, certificates was transferred with evide Released by:	Non-filtered water sid/solid Describe: Shipped at < 4 C Describe: NaOH adde Solid NaOH adde Son confirmed Presidential water Presidentiary seal(s) (check applied Signature	HCI added to pH < 2 ANO3 added to ed to pH > 12 Other Describe: with Ra-228, 2 gal. (EPA 900.0/903.1/904. Served to pH > 12 at Lab Preserved to phonoser use CHAIN OF CUSTODY FORM when recable box) Not Present & Pre	Urine Tissue Saliva Swipe/Smed. pH < 2
SAMPLE Filtered water TYPE Other air/lique None PRESERVATION Lab to HM ANALYSES LIST OR ANALYSES LIST WC ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preservation LAB Lab Remarks: We, the undersigned, certificate was transferred with evide Released by: We, the undersigned, certificate was transferred with evide Released by:	Non-filtered water sid/solid Describe: Shipped at < 4 C Describe: NaOH adde Solid NaOH adde NaOH adde Son confirmed Press Press Signature Signature That on	THCI added to pH < 2 ANO3 added to ed to pH > 12 Other Describe: with Ra-228, 2 gal. (EPA 900.0/903.1/904. Served to pH > 12 at Lab Preserved to phonose use CHAIN OF CUSTODY FORM when recable box) (Not Present & Present & Present & Present & Additional Transfer If Applicable	Urine Tissue Saliva Swipe/Smed. 1 pH < 2
SAMPLE Filtered water TYPE Other air/lique None PRESERVATION Lab to HM ANALYSES LIST OR ANALYSES LIST WC ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preservation LAB Lab Remarks: We, the undersigned, certificate was transferred with evide Released by: We, the undersigned, certificate was transferred with evide Released by:	Non-filtered water sid/solid Describe: Shipped at < 4 C Describe: NaOH adde Solid NaOH adde NaOH adde Son confirmed Press Press Signature Signature That on	The sample identified on the contact time The Soil/Sediment Sludge Blood HCI added to pH < 2 ANO3 added to pH < 12 Other Describe: With Ra-228, 2 gal. (EPA 900.0/903.1/904. Preserved to pH > 12 at Lab Preserved to pH Preserved to pH > 12 at Lab Preserved to pH Additional Transfer If Applicable the sample identified on the contact Time the sample identified on the contact Time the sample identified on the contact Time	Urine Tissue Saliva Swipe/Smean pH < 2

State of New Mexico

Department of Health

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700 Albuquerque, NM 87196-4700 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

Distribution

January 12, 2009

ANALYTICAL REPORT

. User 55321

Request

Submitter 541

ID No. 2419424

SLD Accession No. RC- 2008-0306

. Client 0-0 (x) SLD Files

To: Radiochemistry Section **Scientific Laboratory Division**

P.O. Box 4700

Albuquerque, NM 87196-4700

User: NMED GWQ Bureau Abatement and Assessment

P.O. Box 26110 Santa Fe, NM 87502

Re:

700 Camino de Salud, NE

A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 29, 2008

Submitter: NMED - Ground Water Pollution

P.O. Box 26110 Santa Fe, NM 87502 Client: Equivalent to leaving field blank

City not listed,

DEMOGRAPHIC DATA

COLLECTION LOCATION **BLUEWATER URANIUM MILL CERCLIS ID NMD007106891** On: 8/27/2008 By: STEVE JETTER Facility: At: 12:50 In/Near: Milan **BWSI-13**

Analytical Results

CAS No.	Analyte	<u>Valu</u>	<u>Sigma</u>	<u>D.</u>	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	5.2	0.8	1.3	pCi/L	Crowell	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	6.1	1.0	1.5	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	5.9	1.2	2.0	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	5.7	1.1	2.0	pCi/L	Crowell	SM 7110 B
13982-63-3	Radium-226, SDWA Method	0.09	0.02	10.0	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.24	0.10	0.14	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

Nidal Jadalla

12/19/2008

NEW MEXICO DEPART	MENT OF HEALTH		Y BUREAU		IALYTICAL REQUI	EST FORM (INT	ERACTIVE
Request ID # Here	372 × W	700 Camino de Sal	ratory Divisior ud NE - PO Box	า .4700		Lab Access	ion # Her
	One Form Per Sample	Albuquerque, 1			One Form Per Sample		
LAB USE>>>	DATE			- 1	C 55000 (DWB - SI	DWA - fee-for-serv	rice)
ONLY 241942	24 08 AUG STAMP	්ට් 55410 (GWB-pol	ution prevention)	C 55420 (DWB - ne	on-reg. contamin	ants)
LAB USE - SAMPLE TEMP		55910 (SWQ8-M	5)		64000 (Individue	al client fee-for-se	rvice)
SAMPLE PRIORITY: (1, 2,	3-call Lab if 1 or 2) 3		RS)		OTHER (enter 5-	digit user code)	
SUBMITTER CODE (3-digi	it): 541 WSS CODE (xx	(XXXXXXXX):	SITE ID (DV	/B = 4-digit, S	WQB = 13-chars):		
FACILITY / WSS NAME:	Bluewater uranium r	mill CERCLIS ID NMD0	07106891				
FACILITY LOCATION (if n	o WSS complete boxes):	County: Cibola	City	Milan		State: NM, or chan	ge to: NM
SAMPLING LOCATION:	BW5I-13						
DATE COLLECTED (MM-E	DD-YY): 08-27-	08 BY:	Last Name:	Tetler			
TIME COLLECTED (HH:MI	Commence of the Commence of th		First Name:	Steve		aratemas - stores or a section of	
SAMPLE INFO CONTACT	Phone: 476-37	77 Name if n	t collector: Davi	d L. Mayers	on .		
New/Change Address	; for Submitter	·····>	Name: NME	D/GWQB/SO	5		
New/Change Address	s for WSS/Client	·····>	Address: 1190	St. Francis D	r. N2300		
Send an additional rep	oort to	>	City: Santa	a Fe, NM 875	502		
AND	chlorinated Chlorinat	red Residual (mg/l):	рН:	Conductivity	(uS/cm): 1	Temperature (deg	. C):
SAMPLING X	NMED monitoring	Compliance Nor	-compliance	Split with	facility Grab	sample [Composite
DOCUMENTATION	Finished water Rav	wwater Confirmati	on 🔀 Other	Describe: site	e characterization		
SAMPLE Filtered water TYPE Other air/liq	-	C Soil/Sediment C	Sludge (Blo	od C. Urir	ne (Tissue (Saliva (Sv	vipe/Smear
PRESERVATION	e Shipped at < 4 C to acidify NaOH adde		/	dtopH<2	H ₂ SO ₄ added to p	H < 2	acid added
HM ANALYSES LIST							
OR ANALYSES LIST			*				
	803 SDWA sequential v	with Ra-228, 2 gal (EP	4 900 0/903 1/9	904 0 etc)	11 E		
WC ANALYSES LIST	000000000000000000000000000000000000000		(300.0,303.1,7.	70 1107 Ctc./	# 8 * B		
ADDITIONAL ANALYSES	F 8 8 8 8						
FOR Field preservati	ļ	served to pH > 12 at Lab	Preserved t	opH < 2 at La	b Date/Initial:		
LAB USE Lab Remarks:							
	1 /.	lease use CHAIN OF CUS		255			iii Garri
We, the undersigned, certi	Date	Time					11 / 15
was transferred with evide	8- 61 18	cable box) (Not Prese	nt Presen	t&Intact (Present & Damage	ed	
Released by:	Tu Bull	& Rece	ived by:	122			
1.	Signature	Additional Tran	sfer if Applicable		Signature		
We, the undersigned, certi		the sample id		ontainer(s) a	nd this form by Requ	sest ID number _	
was transferred with evide	Date entiary seal(s) (check applic	Time cable box) (Not Prese	nt C Present	& Intact (Present & Damage	ed	
Released by:	49-29	& Rec	eived by:				
87 CST St 1087 St matter 07	Signature				Signature		-
Print Form		Form last modi	an 03/17/08			Reset	rorm

Department of Health

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700

700 Camino de Salud, NE

Albuquerque, NM 87196-4700 RADIOCHEMISTRY SECTION [505]-841-2574

[505]-841-2500

January 12, 2009

Distribution

ANALYTICAL REPORT

. User 55321

Request

. Submitter 541 . Client 0-0

ID No. 2419422

SLD Accession No. RC- 2008-0307

(x) SLD Files

To: Radiochemistry Section **Scientific Laboratory Division** 700 Camino de Salud, NE

User: NMED GWQ Bureau Abatement and Assessment P.O. Box 26110

Santa Fe, NM 87502

P.O. Box 4700

Albuquerque, NM 87196-4700

Re:

A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 29, 2008

Submitter: NMED - Ground Water Pollution

Client: Equivalent to leaving field blank City not listed,

P.O. Box 26110

Santa Fe, NM 87502

DEMOGRAPHIC DATA

COLLECTION LOCATION On: 8/27/2008 Facility: **BLUEWATER URANIUM MILL CERCLIS ID NMD007106891** By: STEVE JETTER At: 10:10 In/Near: Milan BWSI-14

	Analytical Results %						
CAS No.	Analyte	<u>Valu</u>	<u>Sigma</u>	<u>D.</u>	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	7.4	1.0	1.3	pCi/L	Crowell	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	8.9	1.2	1.6	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	5.9	1.2	2.1	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	5.8	1.1	2.0	pCi/L	Crowell	SM 7110 B
07440-61-1	Uranium, Mass Concentration	13.	1.3	1.0	ug/L	Patel	200.8
13982-63-3	Radium-226, SDWA Method	0.38	0.02	0.01	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.29	0.10	0.14	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lrnt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

Nidal Jadalla

12/19/2008

NEW MEXICO DEPAR	MENT OF HEALTH		RY BUREAU		NALYTICAL REQUE	ST FORM (INT	ERACTIVE
Request ID # Here		Scientific Labo 700 Camino de Sal				Lab Access	ion # Here
	One Form Per Sample	Albuquerque,		4700	One Form Per Sample		
LAB USE>> IMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMMM	DATE	€ 55321 (GWB - rer	nediation su	perfund)	55000 (DWB - SE	DWA - fee-for-serv	rice)
ONLY 241942	211UG 29 MISTAMP	55410 (GWB - po	llution prever	ntion)	55420 (DWB - no	on-reg. contamine	ants)
LAB USE - SAMPLE TEM	PERATURE (deg. C):	55910 (SWQB-M	15)		C 64000 (Individue	al client fee-for-se	rvice)
SAMPLE PRIORITY: (1, 2,	3-call Lab if 1 or 2) 3	55920 (SWQB-P	SRS)		OTHER (enter 5-	digit user code)	
SUBMITTER CODE (3-dig	it): 541 WSS CODE (xxx	oxxxxxx):	SITE ID) (DW8 = 4-digit,	SWQB = 13-chars):		
FACILITY / WSS NAME:	Bluewater uranium n	nill CERCLIS ID NMD0	07106891				
FACILITY LOCATION (if r	o WSS complete boxes):	County: Cibola		City: Milan	- 5	tate: NM, or chan	ge to: NM
SAMPLING LOCATION:	BWSI - 14						
DATE COLLECTED (MM-L		BY:	Last Name:	Tetter			
TIME COLLECTED (HH:M			First Name:	Stev	L	V. V.	
SAMPLE INFO CONTACT		77 Name if n	ot collector:	David L. Mayer	come philosophysical but in the		
New/Change Address	for Submitter	>	Name:	NMED/GWQB/SO	OS		1 (99)
New / Change Address	for WSS/Client	>	Address:	1 190 St. Francis I	Dr. N2300		1
Send an additional rep	oort to	>	City:	Santa Fe, NM 87	502		
FIELD DATA (Non-	chlorinated Chlorinate	ed Residual (mg/l):	pH:	Conductivity	y (uS/cm):T	emperature (deg	. C):
AND REMARKS Field I	emarks:				TV.		
DOCUMENTATION	50.0	Compliance No	n-compliance ion 💢 Oth	*	25.0	sample	Composite
SAMPLE C Filtered wat	er 🕟 Non-filtered water	C Soil/Sediment C	Sludge (Blood C Ur	ine C Tissue C	Saliva (Sv	vipe/Smear
TYPE Other air/liq	uid/solid Describe:	11 1-91	* * E			4	
PRESERVATION	Shipped at < 4 C		-	added to pH < 2	☐ H2SO4 added to p	H<2 T Asc.	acid added
K Lab	to acidify NaOH adde	d to pH > 12	Describe:				
HM ANALYSES LIST				4))	
OR ANALYSES LIST		H		i iki			
RC ANALYSES LIST	803 SDWA sequential v	vith Ra-228, 2 gal. (EP	A 900.0/90	3.1/904.0, etc.)	1 NO.		T.S.
WC ANALYSES LIST		****		1		vên.	
ADDITIONAL ANALYSES							
FOR Field preservat	ion confirmed Prese	erved to pH > 12 at Lab	Preser	ved to pH < 2 at L	ab Date/Initial:		r inn vor av vor taar Chanter Chan
USE Lab Remarks:		1 44		0000			
•	PI	ease use CHAIN OF CUS	TODY FOR	M when requirem	nents mandate		·
We, the undersigned, cert	ify that on <u>\$\29\08_</u> at_		lentified on	the container(s)	and this form by Requ	iest ID number <u>.</u>	241942
was transferred with evid	Date' entiary seal(s) (check applic	Time able box) (** Not Pres	ent (LP	resent & Intact	C Present & Damage	e <u>d</u> _	
Released by:	to Bell	& Rec		TRE			
heleased by.	Signature	Additional Trai		able	Signature		
مر We, the undersigned, cert		the sample ic	107		and this form by Requ	est ID number _	
was transferred with evid	Date entiary seal(s) (check applic	Time rable box) (Not Presi	ent C Pro	esent & Intact	C Present & Damage	ed .	
Released by:	erse sention (C) (C)	& Rec					
	Sianature				Sianature		-
Print Form		Form last mod	itied on 03/1	7/NR		Reset	rorm

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

October 28, 2008

Request

ID No. 2419399

ANALYTICAL REPORT

SLD Accession No. RC-2008-0286

Distribution

(x) User 55321

(x) Submitter 541 . Client 0-0

(x) SLD Files

To: NMED - Ground Water Pollution Prevention P.O. Box 26110 Santa Fe, NM 87502

User: NMED GWQ Bureau Abatement and Assessm P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section Scientific Laboratory Division 700 Camino de Salud, NE

P.O. Box 4700

Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

COLLECTION LOCATION On: 8/25/2008 **BLUEWATER URANIUM MILL CERCLIS ID NMD007106891** By: BALL, JUSTIN **BWSI-15** At: 14:04 In/Near: Milan

	An	alytical F	Results				Z/IIA
CAS No.	Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	6.7	0.9	1.1	pCi/L	Crowell	900
12587-46-1	Gross Alpha w/ U-nat Reference	8.6	1.2	1.4	pCi/L	Crowell	900
12587-47-2	Gross Beta w/ Cs-137 Reference	5.5	1.1	1.7	pCi/L	Crowell	900
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	5.3	1.0	1.6	pCi/L	Crowell	900
07440-61-1	Uranium, Mass Concentration	11.	1.1	1.0	ug/L	Patel	200.8
13982-63-3	Radium-226, SDWA Method	0.16	0.01	0.01	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.07	0.10	0.13	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (~d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By: __

10/28/2008

NEW MEXICO DEPARTM Request ID # Here	One Form Per Sample	CHEMISTRY BUREAU Scientific Laboratory Division 700 Camino de Salud NE - PO Box 4700 Albuquerque, NM 87196 - 4700 Phone 505 841 2500	One Form Per Sample RC0800286
USE>>	I IIILE	6 55321 (GWB - remediation superfund)	55000 (DWB - SDWA - fee-for-service)
ONLY 2419399	STAMP	(\$5410 (GWB _i -pǫllıltion:plevention)	55420 (DWB - non-reg. contaminants)
LAB USE - SAMPLE TEMPER	//_	55910 (SWQB - MS)	64000 (Individual client fee-for-service)
SAMPLE PRIORITY: (1, 2, 3 -	371	55920 (SWQB - PSRS)	OTHER (enter 5-digit user code)
SUBMITTER CODE (3-digit):	WSS CODE (XXX	SITE ID (DWB = 4-di)	git, SWQB = 13-chars):
		nill CERCLIS ID NMD007106891	10
FACILITY LOCATION (if no V	VSS complete boxes):	County: Cibola City: Milan	State: NM, or change to: NM
SAMPLING LOCATION:	BWSI -	- 15	
DATE COLLECTED (MM-DD-	·YY): 8/25/03	BY: Last Name:	Beill
TIME COLLECTED (HH:MM 2	24-hr): 14:04	First Name:	westerV
SAMPLE INFO CONTACT PH	none: 476-377	77 Name if not collector: David L. Ma	yerson
New / Change Address for New → C	r Submitter	> Name: NMED/GWQ	B/SOS
	r WSS / Client	> Address: 1190 St. Fran	cis Dr. N2300
Send an additional repor	t to	> City: Santa Fe, NM	1 87502
FIELD DATA (© Non-chic AND REMARKS Field rem	orinated Chlorinate	d Residual (mg/l): pH: Conduc	tivity (uS/cm): Temperature (deg. C):
PRESERVATION	Shipped at < 4C	HCl added to pH < 2 HNO3 added to pH d to pH > 12 Other Describe:	< 2 HaSO4 added to pH < 2 Asc. acid added
HM ANALYSES LIST			
OR ANALYSES LIST	-		
RC ANALYSES LIST 80	03 SDWA sequential w	vith Ra-228, 2 gal. (EPA 900.0/903.1/904.0, e	etc.)
WC ANALYSES LIST			
ADDITIONAL ANALYSES		The state of the s	
FOR Field preservation LAB USE Lab Remarks:	confirmed Prese	erved to pH > 12 at Lab Preserved to pH < 2	at Lab Date/Initial: 27 Hugos Tie
	1 1	ease use CHAIN OF CUSTODY FORM when requi	THE PROPERTY OF THE PARTY OF TH
was transferred with eyident Released by:	Signature that onat	Time able box) C Not Present C Present & Intac	Signature Signat
was transferred with eyident Released by:	Signature that onat	Time able box) Not Present Present & Intace & Received by: Additional Transfer If Applicable the sample identified on the container Time	r(s) and this form by Request ID number

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

October 16, 2008

Request ID No. 2419417

ANALYTICAL REPORT

SLD Accession No. RC-2008-0280

Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED GWQ Bureau Abatement and Asse P.O. Box 26110

Santa Fe, NM 87502

Submitter: NMED - Ground Water Pollution Prevention S

P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section Scientific Laboratory Division 700 Camino de Salud, NE P.O. Box 4700

Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

	COLLECTION	LOCATION							
On: \$/27/2008 At: 10:33	By: ORTELLI, ANGELO In/Near: Milan	Facility:	LL CERCLIS ID NM	D007106891					
		Analytical Re	sults						
CAS No.	Analyte	<u>Value</u> S	Sigma D. Lmt	. Units	Analyst	Method			

	Analytical Results								
CAS No.	Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method		
12587-46-1	Gross Alpha w/ Am-241 Reference	5.1	0.9	1.2	pCi/L	Crowell	900		
12587-46-1	Gross Alpha w/ U-nat Reference	6.7	1.2	1.5	pCi/L	Crowell	900		
12587-47-2	Gross Beta w/ Cs-137 Reference	6.2	1.2	1.8	pCi/L	Crowell	900		
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	5.9	1.1	1.8	pCi/L	Crowell	900		
13982-63-3	Radium-226, SDWA Method	0.14	0.01	0.01	pCi/L	Valdez	903.1		
15262-20-1	Radium-228, SDWA Method	0.00	0.09	0.13	pCi/L	Ewing	904.0		

Notations & Comments:

Uncertainties, sigmas, are expressed as + one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

Nidal Jadalla

10/16/2008

NEW MEXICO DE \R Request ID # Here	One	Form	700 C	scientific La amino de S Ibuquerque	TRY BUREA boratory Div alud NE - PO , NM 87196 505 841 2500	rision Box 4700 - 4700	ANAL	One F		de 1	ACCESSION NO SERVICION NO SERVICIO NO SERV	n # Har
USE>>> IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		DATE << <time STAMP</time 		410.(GWB - p	emediation su pollution preve	ntion)	7			SDWA - fee	e-for-servio ontaminai	re)
LAB USE - SAMPLE TEM		deg. C): []	C 55	910 (SWQB -	MS)	5: 48	(64000	(Individ	ual client i	fee-for-serv	rice)
SAMPLE PRIORITY: (1, 2	, 3 - call Lab i	f 1 or 2) 3	C 55	920 (SWQB -	PSRS)		(OTHER	R (enter !	5-digit use	r code)	
SUBMITTER CODE (3-dig	pit): 541 V	WSS CODE (xxx	xxxxxx):	1	SITE	O (DWB = 4-digi	t, SWQ)B = 13-0	hars):	- 7 e-	enne reikeniken voor	
FACILITY / WSS NAME:	Bluewat	ter uranium m	ill CER	CLIS ID NME	0007106891							
FACILITY LOCATION (if	no WSS comp	lete boxes):	Coun	ty: Cibola		City: Milan				State: NN	N, or chang	e to: NM
SAMPLING LOCATION:	BW	SI-16										
DATE COLLECTED (MM-		5/27/08	7,25	108 BY:	Last Name:	Ontell	<i>!</i> ·					
TIME COLLECTED (HH:M	IM 24-hr):	10:33	810.	_6	First Name:	Anael	,					
SAMPLE INFO CONTAC	₽hone:	476-377	7	Name i	f not collector:	David L. May	-					
☐ New/Change Addres	1					NMED/GWQB/						
. New/Change Addres	s for WSS/C	lient		>	502312223 Barray (1907)	1 190 St. Franci		12300	···			
Send an additional re	port to	*****	>			Santa Fe, NM 1						
AND	-chlorinated_ remarks:	Chlorinate	d Resid	dual (mg/l):	pH:	Conductiv		i/cm):		Tempera	ture (deg.	C):
DOCUMENTATION _	NMED mon	ter Raw		Confirm		her Describe:		haracte	rization			
SAMPLE Filtered wa TYPE Other air/lin PRESERVATION	Finished wa ter (Nor quid/solid		water Soi	Confirma	ation 🔀 Ot Sludge (her Describe: Blood () added to pH < .	site cl Urine	naracte (Tis	rization	Saliva	C Swi	omposit ipe/Smea
SAMPLE Filtered wa TYPE Other air/li PRESERVATION Nor	Finished wa ter (Nor quid/solid	n-filtered water Describe: ped at < 4 C	water Soi	Confirma	ation 🔀 Ot Sludge (her Describe: Blood () added to pH < .	site cl Urine	naracte (Tis	rization	Saliva	C Swi	pe/Smed
SAMPLE Filtered wa TYPE Other air/lic PRESERVATION Lab	Finished wa ter (Nor quid/solid	n-filtered water Describe: ped at < 4 C	water Soi	Confirma	ation 🔀 Ot Sludge (her Describe: Blood () added to pH < .	site cl Urine	naracte (Tis	rization	Saliva	C Swi	pe/Smed
SAMPLE Filtered was TYPE Other air/line PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST	Finished wa ter Non quid/solid ne Ship to acidify	n-filtered water Describe: ped at < 4 C	water Soi HCI a	Confirmation Co	ation 🔀 Ot Sludge (2 🔀 HNO3 er Describe:	her Describe: Blood () added to pH <	site cl Urine	naracte (Tis	rization	Saliva	C Swi	pe/Smed
SAMPLE Filtered wa TYPE Other air/li PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST RC ANALYSES LIST	Finished wa ter Non quid/solid ne Ship to acidify	ter Raw n-filtered water Describe: ped at < 4 C R	water Soi HCI a	Confirmation Co	ation 🔀 Ot Sludge (2 🔀 HNO3 er Describe:	her Describe: Blood () added to pH <	site cl Urine	haracte (Tis	rization	Saliva	C Swi	pe/Smed
SAMPLE Filtered wa TYPE Other air/li PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST RC ANALYSES LIST WC ANALYSES LIST	Finished wa ter Non quid/solid ne Ship to acidify S 803 SDWA	ter Raw n-filtered water Describe: ped at < 4 C R	water Soi HCI a	Confirmation Co	ation 🔀 Ot Sludge (2 🔀 HNO3 er Describe:	her Describe: Blood () added to pH <	site cl Urine	haracte (Tis	rization	Saliva	C Swi	pe/Smed
SAMPLE Filtered wa TYPE Other air/lin PRESERVATION	Finished wa ter Non quid/solid ne Ship to acidify Ship 803 SDWA	n-filtered water Describe: ped at < 4 C NaOH added	water Soi HCl a to pH >	Confirmation Co	ation 🔀 Ot Sludge (2 🔀 HNO3 er Describe:	her Describe: Blood () added to pH <	site cl	haracte Tis	erization	Saliva pH < 2	C Swi	pe/Smed
SAMPLE Filtered wa TYPE Other air/lin PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST WC ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preserva LAB USE Lab Remarks: We, the undersigned, cer	Finished water Non- quid/solid ne Ship to acidify [803 SDW A tion confirme	n-filtered water Describe: ped at < 4 C NaOH added A sequential water Preserved Date	water Soi HCl a Ito pH >	CHAIN OF C	ation 🔀 Ot Sludge (2 🔀 HNO3 er Describe: EPA 900.0/90 b Prese identified on	her Describe: Blood () added to pH < . 3.1/904.0, etc rved to pH < 2 a When require the container(s	site cl Urine 2 	haracte Tis H:504 a Date/Ir s manda this form	rization ssue C added to nitial: te	PH < 2	C Swi	pe/Smec
SAMPLE Filtered was TYPE Other air/line PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST WC ANALYSES LIST WC ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preserval LAB USE Lab Remarks:	Finished water Non- quid/solid ne Ship to acidify [803 SDW A tion confirme	n-filtered water Describe: ped at < 4 C NaOH added A sequential water Preserved Date	water Soi HCl a Ito pH >	CHAIN OF C Sthe sample Not Pri Re	ation 🔀 Ot Sludge (2 🔀 HNO3 er Describe: EPA 900.0/90 b Prese identified on	her Describe: Blood () added to pH < . 3.1/904.0, etc rved to pH < 2 a M when require the container(s) Present & Intact	site cl Urine 2 	haracte Tis H:504 a Date/Ir s manda this form	rization ssue C added to nitial: te	PH < 2	C Swi	pe/Smec
COCUMENTATION SAMPLE Filtered was TYPE Other air/line PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST NC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preserva AB JSE Lab Remarks: We, the undersigned, certwas transferred with evice Released by:	Finished water Non- quid/solid ne Ship to acidify [803 SDWA stion confirme	n-filtered water Describe: ped at < 4 C NaOH added A sequential water Plescond Signature at	water Soi HCl a I to pH > water C Soi Time asse use (\$! 3	CHAIN OF C Sthe sample Not Pro Re Additional Tr	Sludge (Sludge (Sludge (HNO3 er Describe: EPA 900.0/90 b Prese identified on esent (esent	her Describe: Blood () added to pH < . 3.1/904.0, etc rved to pH < 2 a When require the container(s) present & Intact cable	site cl	Date/ir	nitial: te by Rec. Signature	27 Aug	Sw. Asc. a	pe/Smed
SAMPLE Filtered was TYPE Other air/line PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST RC ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preserva LAB USE Lab Remarks: We, the undersigned, cert was transferred with levic	Finished water Non- quid/solid ne Ship to acidify [803 SDWA stion confirme tify that on confirme	n-filtered water Describe: ped at < 4 C NaOH added A sequential water Pless Signature Date Date Date Date	water Soi HCl a I to pH > ith Ra- rved to p case use (\$! 3 Time able box	CHAIN OF C Sthe sample Additional To	sludge (Sludge (Sludge (HNO3 er Describe: EPA 900.0/90 b Prese USTODY FOR identified on esent (ransfer If Application identified on	added to pH < 2 a M when require the container(s cable the container(s	site cl Urine 2) t Lab ements s) and (Date/Ir	nitial: Signature	n Saliva pH < 2 Quest ID n ged	Sw. Asc. a	pe/Smed
COCUMENTATION SAMPLE Filtered was TYPE Other air/line PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST NC ANALYSES LIST NC ANALYSES LIST ADDITIONAL ANALYSES Field preserva AB JSE Lab Remarks: Ve, the undersigned, cert was transferred with evice the leased by: Ve, the undersigned, cert Ve, the undersigned, cert	Finished water Non- quid/solid ne Ship to acidify [803 SDWA stion confirme tify that on confirme	n-filtered water Describe: ped at < 4 C NaOH added A sequential water Pless Signature Date Date Date Date	water Soi HCl a I to pH > ith Ra- rved to p case use (\$! 3 Time able box	CHAIN OF C Sthe sample Not Pro Not P	ation 🔀 Oth Sludge (2 🔀 HNO3 er Describe: EPA 900.0/90 b Prese identified on esent (Frequency of the second of the secon	added to pH < 2 a M when require the container(s cable the container(s	site cl	Date/Ir Present of this form	nitial: Signature	n Saliva pH < 2 Quest ID n ged	Sw. Asc. a	pe/Smed

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

December 19, 2008

Request ID No. 2419430

ANALYTICAL REPORT SLD Accession No. RC-2008-0311

Distribution (x) User 55321

(x) Submitter 541 . Client 0-0

(x) SLD Files

To: NMED - Ground Water Pollution Prevention P.O. Box 26110

Santa Fe, NM 87502

User: NMED GWQ Bureau Abatement and Assessm P.O. Box 26110

Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 29, 2008

Client:

SLD: Radiochemistry Section Scientific Laboratory Division 700 Camino de Salud, NE P.O. Box 4700 Albuquerque, NM 87196-4700 11919

LOCATION

DEMOGRAPHIC DATA

By: ONTELLI, ANGELO In/Near: Milan	Facility: BLUEWATER URANIUM MILL CERCLIS ID NI BWSI-17							
Analytical Results								
Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method		
Gross Alpha w/ Am-241 Reference	3.6	0.6	0.9	pCi/L	Crowell	SM 7110 B		
Gross Alpha w/ U-nat Reference	4.2	0.7	1.1	pCi/L	Crowell	SM 7110 B		
Gross Beta w/ Cs-137 Reference	2.2	0.9	1.7	pCi/L	Crowell	SM 7110 B		
Gross Beta w/ Sr/Y-90 Reference	2.2	0.9	1.7	pCi/L	Crowell	SM 7110 B		
Radium-226, SDWA Method	0.05	0.01	0.01	pCi/L	Valdez	903.1		
Radium-228, SDWA Method	0.06	0.10	0.16	pCi/L	Ewing	904.0		
	Analyte Gross Alpha w/ Am-241 Reference Gross Alpha w/ U-nat Reference Gross Beta w/ Cs-137 Reference Gross Beta w/ Sr/Y-90 Reference Radium-226, SDWA Method	Analytical F Analyte Value Gross Alpha w/ Am-241 Reference 3.6 Gross Alpha w/ U-nat Reference 4.2 Gross Beta w/ Cs-137 Reference 2.2 Gross Beta w/ Sr/Y-90 Reference 2.2 Radium-226, SDWA Method 0.05	Analytical Results Analyte Value Sigma Gross Alpha w/ Am-241 Reference 3.6 0.6 Gross Alpha w/ U-nat Reference 4.2 0.7 Gross Beta w/ Cs-137 Reference 2.2 0.9 Gross Beta w/ Sr/Y-90 Reference 2.2 0.9 Radium-226, SDWA Method 0.05 0.01	Analytical Results Analyte Value Sigma D. Lmt. Gross Alpha w/ Am-241 Reference 3.6 0.6 0.9 Gross Alpha w/ U-nat Reference 4.2 0.7 1.1 Gross Beta w/ Cs-137 Reference 2.2 0.9 1.7 Gross Beta w/ Sr/Y-90 Reference 2.2 0.9 1.7 Radium-226, SDWA Method 0.05 0.01 0.01	Analytical Results Analyte Value Sigma D. Lmt. Units Gross Alpha w/ Am-241 Reference 3.6 0.6 0.9 pCi/L Gross Alpha w/ U-nat Reference 4.2 0.7 1.1 pCi/L Gross Beta w/ Cs-137 Reference 2.2 0.9 1.7 pCi/L Gross Beta w/ Sr/Y-90 Reference 2.2 0.9 1.7 pCi/L Radium-226, SDWA Method 0.05 0.01 0.01 pCi/L	Analytical Results Analyte Value Sigma D. Lmt. Units Analyst Gross Alpha w/ Am-241 Reference 3.6 0.6 0.9 pCi/L Crowell Gross Alpha w/ U-nat Reference 4.2 0.7 1.1 pCi/L Crowell Gross Beta w/ Cs-137 Reference 2.2 0.9 1.7 pCi/L Crowell Gross Beta w/ Sr/Y-90 Reference 2.2 0.9 1.7 pCi/L Crowell Radium-226, SDWA Method 0.05 0.01 0.01 pCi/L Valdez		

Notations & Comments:

COLLECTION

Uncertainties, sigmas, are expressed as + one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

Nidal Jadalla

12/19/2008

NEW.NEX DEPARTMENT O	F HEALTH	CHEMISTRY BUREAU		LYTICAL REQUE	ST FORM (INTERACTIVE)
Minimum Hore	_	Scientific Laboratory Divi 700 Camino de Salud NE - PO		0	1 ah Accession # Horn
The state of the s	ne Form Sample	Albuquerque, NM 87196 - Phone 505 841 2500		One Form Per Sample	
2419430 Per		55321 (GWB - remediation sup			RC0800311 WA - fee-for-service)
ONLY 02 AND 25 ATTI:	<< <time< td=""><td>55410 (GWB - pollution preven</td><td></td><td></td><td>n-reg. contaminants)</td></time<>	55410 (GWB - pollution preven			n-reg. contaminants)
LAB USE - SAMPLE TEMPERATURI	- m	55910 (SWQB - MS)		64000 (Individua	l client fee-for-service)
SAMPLE PRIORITY: (1, 2, 3 - call Lat		55920 (SWQB - PSRS)	(OTHER (enter 5-d	ligit user code)
SUBMITTER CODE (3-digit): 541	WSS CODE (XXXX	xxxxx): SITE ID	(DWB = 4-digit, SW	'QB = 13-chars):	
FACILITY / WSS NAME: Bluew	ater uranium mil	II CERCLIS ID NMD007106891			
FACILITY LOCATION (if no WSS con	nplete boxes):	County: Cibola	City: Milan	St	ate: NM, or change to: NM
SAMPLING LOCATION: Bu	157-17		1		
DATE COLLECTED (MM-DD-YY):	8/28/08	BY: Last Name:	Ontelli:		
TIME COLLECTED (HH:MM 24-hr):	10:20	First Name:	Angelo		
SAMPLE INFO CONTACT Phone:	476-3777	Name if not collector:		n	
New/Change Address for Submi	itter	> Name:	NMED/GWQB/SOS		2000
New / Change Address for WSS /	Client	> Address:	1190 St. Francis Dr.	N2300	
Send an additional report to		> City:	Santa Fe, NM 8750	2	15.1
FIELD DATA (© Non-chlorinated AND REMARKS Field remarks:	Chlorinated	Residual (mg/l): pH:	Conductivity (u	ıS/cm): Te	emperature (deg. C):
SAMPLING X NMED mode of the control	and the second	ompliance	18		sample Composite
SAMPLE Filtered water No. N. TYPE Other air/liquid/solid	on-filtered water (Describe:	Soil/Sediment (Sludge (Blood (Urine	C Tissue C !	Saliva (Swipe/Smear
None Sh		HCl added to pH < 2 ▼ HNO₃	added to pH < 2	H₂SO₄ added to pF	1 < 2
PRESERVATION		to pH > 12 Other Describe:			
HM ANALYSES LIST					
OR ANALYSES LIST			* **********************************		
RC ANALYSES LIST 803 SDV	/A sequential wit	th Ra-228, 2 gal. (EPA 900.0/90	3.1/904.0, etc.)		
WC ANALYSES LIST					
ADDITIONAL ANALYSES				- 1	
FOR Field preservation confirm	ned Preser	ved to pH > 12 at Lab Preser	ved to pH < 2 at Lab	Date/Initial:	29 aug of mc
USE Lab Remarks:					3,700.07 07
	Plea	se use CHAIN OF CUSTODY FOR	M when requiremen	ts mandate	
We, the undersigned, certify that on	2/29/08 at 11	the sample identified on	the container(s) and	d this form by Requ	est ID number 24/943
was transferred with evidentiary sea	Date . Ti	ime ble box) C Not Present CP	resent & Intact	Present & Damage	d
1 1116			TRP.	0	
Released by:	Signature	& Received by:	12	Signature	
	882	Additional Transfer If Applic	able	201	
We, the undersigned, certify that on		the sample identified on	the container(s) and	d this form by Requ	est ID number
was transferred with evidentiary sea	al(s) (check applicat	ble box) (Not Present (Pr	esent & Intact	Present & Damage	d
Released by:		& Received by:			
Drint Form	Signature	Form last modified on 03/1	7/08	Signature	Reset Form

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud. NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

December 19, 2008

Request ID No. 2419432 ANALYTICAL REPORT

SLD Accession No. RC-2008-0304

Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED - Ground Water Pollution Preventio P.O. Box 26110 Santa Fe, NM 87502 User: NMED GWQ Bureau Abatement and Assessm P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 29, 2008

Client:

SLD: Radiochemistry Section
Scientific Laboratory Division
700 Camino de Salud, NE
P.O. Box 4700
Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

	COLLECTION		LOCATION
On: 8/28/2008 At: 11:55	By: ORTELLI, ANGELO In/Near: Milan	Facility:	BLUEWATER URANIUM MILL CERCLIS ID NMD007106891 BWSI-18
		Analytical Day	-14-

Analytical Results								
CAS No.	Analyte	Value	<u>Sigma</u>	D. Lmt.	<u>Units</u>	Analyst	Method	
12587-46-1	Gross Alpha w/ Am-241 Reference	1.5	0.8	1.6	pCi/L	Crowell	SM 7110 B	
12587-46-1	Gross Alpha w/ U-nat Reference	1.8	0.9	1.9	pCi/L	Crowell	SM 7110 B	
12587-47-2	Gross Beta w/ Cs-137 Reference	4.1	1.0	1.9	pCi/L	Crowell	SM 7110 B	
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	4.0	1.0	1.9	pCi/L	Crowell	SM 7110 B	
13982-63-3	Radium-226, SDWA Method	0.05	0.03	0.02	pCi/L	Valdez	903.1	
15262-20-1	Radium-228, SDWA Method	0.25	0.10	0.15	pCi/L	Ewing	904.0	

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

Nidal Jadalla

12/19/2008

Form last modified on 03/17/09

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud. NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

December 19, 2008

Request ID No. 2419431 ANALYTICAL REPORT

SLD Accession No. RC-2008-0308

Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED - Ground Water Pollution Preventio P.O. Box 26110 Santa Fe, NM 87502 User: NMED GWQ Bureau Abatement and Assessm P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 29, 2008

Client:

SLD: Radiochemistry Section
Scientific Laboratory Division
700 Camino de Salud, NE
P.O. Box 4700

Albuquerque, NM 87196-4700

LOCATION

DEMOGRAPHIC DATA

On: 8/28/200 At: 9:15	8 By: ONTELLI, ANGELO in/Near: Milan	Facili	ty: BLUI		RANIUM MIL	L CERCLIS ID NM	D007106891
	An	alytical F	Results	3			THE
CAS No.	Analyte	<u>Value</u>	<u>Sigma</u>	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	5.3	0.8	1.3	pCi/L	Crowell	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	6.2	1.0	1.5	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	10.5	1.3	2.2	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	10.3	1.3	2.2	pCi/L	Crowell	SM 7110 B
13982-63-3	Radium-226, SDWA Method	0.08	0.01	0.01	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.14	0.10	0.15	pCi/L	Ewing	904.0

Notations & Comments:

COLLECTION

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

Nidal Jadalla

2/3/2008

NEW MEXICO DEPART	MENT OF HEALTH	CHEMISTRY BURE Scientific Laboratory I		IALYTICAL REQUES	T FORM (INTERACTIVE)
2419431	One Form Per Sample	700 Camino de Salud NÉ - I Albuquerque, NM 8719 Phone 505 841 25	O Box 4700 6 - 4700	One Form Per Sample	RC0800308
LAB	DATE	6 55321 (GWB - remediation	superfund)	C 55000 (DWB - SDV	VA - fee-for-service)
USE>>>	<< <time STAMP</time 	55410 (GWB - pollution pre	vention)	C 55420 (DWB - non	-reg. contaminants)
LAB USE - SAMPLE TEM	PERATURE (deg. C):	C 55910 (SWQB - MS)		64000 (Individual	client fee-for-service)
SAMPLE PRIORITY: (1, 2,	3-call Lab if 1 or 2) 3	(55920 (SWQB - PSRS)		OTHER (enter 5-dig	git user code)
SUBMITTER CODE (3-dig	it): 541 WSS CODE (XXX	xxxxxx): SITI	ID (DWB = 4-digit, S	WQB = 13-chars):	
FACILITY / WSS NAME:	Bluewater uranium n	nill CERCLIS ID NMD00710689)1		
FACILITY LOCATION (if n	o WSS complete boxes):	County: Cibola	City: Milan	Sta	ite: NM, or change to: NM
SAMPLING LOCATION:	BWSI - 19				
DATE COLLECTED (MM-L	DD-YY): 8/28/08	BY: Last Nan	ne: Ontell:		
TIME COLLECTED (HH:MI	M 24-hr): 9:15	First Nan	ie: Angel	0	
SAMPLE INFO CONTACT	Phone: 476-377	7 Name if not collect	David L. Mayers	ion	
☐ New/Change Address	s for Submitter	> Nan	e: NMED/GWQB/SO	os .	
New/Change Address	s for WSS/Client	> Addre	55: 1190 St. Francis C	Dr. N2300	
Send an additional rep	oort to	> Ci	y: Santa Fe, NM 875	502	**************************************
AND	chlorinated Chlorinate	d Residual (mg/l): pH:	Conductivity	(uS/cm): Tel	mperature (deg. C):
DOCUMENTATION _	Finished water Raw	Compliance ☐ Non-complie water ☐ Confirmation ☐	Other Describe: site	e characterization	
- Control of the Cont	er 🌀 Non-filtered water	C Soil/Sediment C Sludge	C Blood C Urin	ne (Tissue (So	aliva C Swipe/Smear
TYPE C Other air/liq	uid/solid Describe:		-		
PRESERVATION		HCl added to pH < 2 HN d to pH > 12 TOther Describ		H≥SO₄ added to pH	<2 Asc. acid added
HM ANALYSES LIST					
OR ANALYSES LIST					
RC ANALYSES LIST	803 SDWA sequential w	vith Ra-228, 2 gal. (EPA 900.0)	903.1/904.0, etc.)		
WC ANALYSES LIST		**************************************	# - M. F	T. F. F. S.	
ADDITIONAL ANALYSES					
FOR Field preservat	ion confirmed Prese	erved to pH > 12 at Lab Pre	served to pH < 2 at L	ab Date/Initial: 20	Alugos mc
USE Lab Remarks:	,		***	101	rung is 111C
	Plo	ease use CHAIN OF CUSTODY F	ORM when requirem	ents mandate	
We, the undersigned, cert	1 /	11.51 the sample identified	52		st ID number <u>241743/</u>
was transferred with evid	entiary seal(s) (check applic	Time able box) (Not Present @	Present & Intact (Present & Damaged	
Released by:	15 Bill	& Received by:	752		
1	Signature	Additional Transfer If Ap		Signature	
lwa shawai a d	if the the tan			and this form hands	et ID number
We, the undersigned, cert	Date	Time the sample identified			
was transferred with evid	entiary seal(s) (check applic	able box) (Not Present (
Released by:	Clanation	& Received by		Signature _	
Print Form	Signature	Form last modified on 0	3/17/08	Signature	Reset Form

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

December 19, 2008

Request ID No. 2419433 ANALYTICAL REPORT

SLD Accession No. RC-2008-0305

Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED - Ground Water Pollution Preventio P.O. Box 26110 Santa Fe, NM 87502 P.O. Box 26110
Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 29, 2008

Client:

SLD: Radiochemistry Section Scientific Laboratory Division 700 Camino de Salud, NE P.O. Box 4700 Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

	DEMOGRATIO DATA					
	COLLECTION		LOCATION			
On: 8/28/2008	By: ORTELLI, ANGELO	Facility:	BLUEWATER URANIUM MILL CERCLIS ID NMD007106891			
At: 13:55	In/Near: Milan		BWSI-20	1		
				7		

Analytical Results							
CAS No.	Analyte	<u>Value</u>	<u>Sigma</u>	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	6.5	0.9	1.3	pCi/L	Crowell	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	7.5	1.0	1.5	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	5.1	1.1	2.0	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	5.0	1.1	2.0	pCi/L	Crowell	SM 7110 B
07440-61-1	Uranium, Mass Concentration	10.	1.0	1.0	ug/L	Patel	200.8
13982-63-3	Radium-226, SDWA Method	0.11	10.0	10.0	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.15	0.10	0.14	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

Nidal Jadalla

12/19/2008

NEW M (ICO DEPART	IMENT OF H	EALTH	CH	HEMISTRY BUREA	U A	MALY	HCAL REQ	UEST FOR	M (INTEI	MCIIA
	One I		700 Camin Albuqu	tific Laboratory Div o de Salud NE - PO Jerque, NM 87196 hone 505 841 2500	Box 4700 - 4700		One Form Per Sample	2017/2017/2017		
2419433 _{-AB}		DATE		GWB - remediation su	perfund)	C 5	5000 (DWB	-		A-100-100-100
DNLVR AUG 23 AT	11:51	<< <time STAMP</time 	<u>55410</u> (d	GWB - pollution preve	ntion)	C 5	5420 (DWB	- non-reg. co	ntaminan	ts)
AB USE - SAMPLE TEMI	PERATURE (de	eg. C):	C 55910 (S	SWQB - MS)		(6	4000 (Indivi	dual client fe	e-for-serv	ice)
AMPLE PRIORITY: (1, 2	, 3 - call Lab if 1	or 2) 3	C 55920 (S	SWQB - PSRS)		C (OTHER (enter	5-digit user	code)	
SUBMITTER CODE (3-dig	iv: 541 ws	SS CODE (XXX)	(XXXXX):	SITE II	D (DWB = 4-digit,	, SWQB	= 13-chars):			oan.
ACILITY / WSS NAME:	Bluewate	r uranium m	III CERCLIS II	D NMD007106891	entre department desert					000-10-10
ACILITY LOCATION (if r	no WSS comple	te boxes):	County: Cit	oola	City: Milan			State: NM,	or change	to: NM
SAMPLING LOCATION:	BW	らエース	0							
DATE COLLECTED (MM-L	DD-YY): 8	28/08		BY: Last Name:	artelli		100	100 %		10,000
TIME COLLECTED (HH:M		13:55		First Name:		10				
AMPLE INFO CONTACT	Phone:	476-377	7	Name if not collector:						
New / Change Addres	ı s for Submitter				NMED/GWQB/S					
New / Change Addres	s for WSS/Clie	nt	>	Address:	1190 St. Francis	Dr. N2	300			
Send an additional re	port to		>	City:	Santa Fe, NM 8	7502				
	chlorinated (Conductivi	N - 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	:m):	Temperati	ure (deg. C	0:
AND	remarks:									
DOCUMENTATION _	Finished wate	r		Non-compliand	her Describe: s	ite cha	racterizatio			
AMPLE Filtered water YPE Other air/lice	ter 🌀 Non-f quid/solid [ne 🦳 Shippe	r Raw	water C C Soil/Sedii HCl added (AND CONTRACTOR OF THE PROPERTY	her Describe: s Blood (U added to pH < 2	ite cha	aracterization	on Saliva	C Swij	pe/Smea
SAMPLE Filtered water Preservation Non Lab	ter 🌀 Non-f quid/solid [ne 🦳 Shippe	r Raw	water C C Soil/Sedii HCl added (confirmation 🔀 Or ment Sludge C	her Describe: s Blood (U added to pH < 2	ite cha	aracterization	on Saliva	C Swij	pe/Smea
SAMPLE Filtered water Preservation Non Lab	ter 🌀 Non-f quid/solid [ne 🦳 Shippe	r Raw	water C C Soil/Sedii HCl added (confirmation 🔀 Or ment Sludge C	her Describe: s Blood (U added to pH < 2	ite cha	aracterization	on Saliva	C Swij	pe/Smea
CAMPLE Filtered water YPE Other air/light PRESERVATION Lab	ter (Non-f quid/solid (De Shippe to acidify	r Raw iltered water Describe: ed at < 4 C NaOH added	water C C Soil/Sedia HCI added to pH > 12	confirmation 🔀 Or ment Sludge C	her Describe: s Blood (* U added to pH < 2	ite cha	aracterization	on Saliva	C Swij	pe/Smea
SAMPLE Filtered water Preservation Non Labor Analyses List	ter (Non-f quid/solid (De Shippe to acidify	r Raw iltered water Describe: ed at < 4 C NaOH added	water C C Soil/Sedia HCI added to pH > 12	to pH < 2 K HNO3	her Describe: s Blood (* U added to pH < 2	ite cha	aracterization	on Saliva	C Swij	omposite pe/Smea id addea
COCUMENTATION SAMPLE Filtered water of the preservation Lab HM ANALYSES LIST OR ANALYSES LIST RC ANALYSES LIST NC ANALYSES LIST	er (© Non-fi quid/solid (e Shippe to acidify 803 SDWA s	r Raw iltered water Describe: ed at < 4 C NaOH addea	water C C Soil/Sedin HCl added to pH > 12 C	to pH < 2 HNO3 Other Describe:	her Describe: s Blood (U added to pH < 2 03.1/904.0, etc.	ite cha	Tissue (on Saliva	C Swij	pe/Smea
COCUMENTATION SAMPLE Filtered water Filtered water Other air/lic PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST NC ANALYSES LIST ADDITIONAL ANALYSES Field preservation AB	to acidify 803 SDWA s	r Raw iltered water Describe: ed at < 4 C NaOH addea	water C C Soil/Sedin HCl added to pH > 12 C	to pH < 2 K HNO3	her Describe: s Blood (U added to pH < 2 03.1/904.0, etc.	ite cha	Tissue (on Saliva	C Swij	pe/Smea
Filtered waterype Other air/lig PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST RC ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES	to acidify 803 SDWA s	r Raw iltered water Describe: ed at < 4 C NaOH addea	Soil/Sedin HCl added to pH > 12 ith Ra-228, 2	confirmation 🔀 Other Describe: 2 gal. (EPA 900.0/90)	ther Describe: s Blood (U added to pH < 2 03.1/904.0, etc.	rite cha	Tissue (I:SO4 added t Date/Initial:	on Saliva	C Swij	pe/Smea
SAMPLE Filtered water Preservation Control of the preserva	to acidify 803 SDWA stion confirmed	r Raw iltered water Describe: ed at < 4 C NaOH added sequential w Prese	water C C Soil/Sedia HCI added to pH > 12 [ith Ra-228, 2] rved to pH > 1 ase use CHAI	to pH < 2 HNO3 Other Describe:	ther Describe: s Blood (U added to pH < 2 3.1/904.0, etc.	ite cha Irine	Tissue (Tissue (1:504 added t Date/Initial:	on Saliva	Asc. ac	id addec
SAMPLE Filtered water Preservation Lab PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST NO ANALYSES LIST NO ANALYSES LIST ADDITIONAL ANALYSES Field preservation AB JSE Lab Remarks: Ve, the undersigned, cert	to acidify 803 SDWA stion confirmed	Raw iltered water Describe: Ped at < 4C NaOH addea Gequential water Prese Plea Act May at	Soil/Sedia HCl added to pH > 12 ith Ra-228, 2 rved to pH > 1 ase use CHAIL h:5/ the	confirmation \ Other Other Describe: 2 gal. (EPA 900.0/90) 2 at Lab Prese	ther Describe: s Blood (U added to pH < 2 3.1/904.0, etc. rved to pH < 2 at the container(s	ite challrine	Tissue (Tissue (1:504 added t Date/Initial: mandate his form by R	on Saliva opH<2 [29 0]	Asc. ac	id addec
COCUMENTATION SAMPLE Filtered water yet Other air/light PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST NC ANALYSES LIST NC ANALYSES LIST ADDITIONAL ANALYSES Field preservation AB JSE Lab Remarks: Ve, the undersigned, cert was transferred with evid	tify that on 4	Raw iltered water Describe: Ped at < 4C NaOH addea Gequential water Prese Plea Act May at	Soil/Sedia HCl added to pH > 12 ith Ra-228, 2 rved to pH > 1 ase use CHAI fine the ble box) C	confirmation \ Other Oscribe: 2 gal. (EPA 900.0/90) 2 at Lab Prese NOF CUSTODY FOR Sample identified on Not Present Other & Received by:	Blood (U added to pH < 2 3.1/904.0, etc. Tresent & Intact Present & Intact	ite challrine	Tissue (Tissue (1:504 added t Date/Initial: mandate his form by R	Saliva o pH < 2 QQ Q equest ID not aged	Asc. ac	id addec
AMPLE Filtered water YPE Other air/lice PRESERVATION Labor MANALYSES LIST OR ANALYSES LIST OR ANALYSES LIST ADDITIONAL ANALYSES OR Field preservation AB Lab Remarks: We, the undersigned, certivas transferred with evideleased by:	to acidify 803 SDWA stion confirmed	r Raw iltered water Describe: ed at < 4 C NaOH added sequential w Prese	water Company Control of Control	confirmation \ Other Oscibe: 2 gal. (EPA 900.0/90) 2 at Lab Prese NOF CUSTODY FOR Sample identified on Not Present & Received by:	the Describe: s Blood (U added to pH < 2 3.1/904.0, etc. The container(s) Present & Intact cable	ite challrine (Date/Initial: mandate mis form by R Signatu	on Saliva opH < 2 QQ Q equest ID not aged	Asc. ac	id addec
COCUMENTATION SAMPLE Filtered water SAMPLE Filtered water Other air/lic PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST WC ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES OR Field preservate AB JSE Lab Remarks: We, the undersigned, cert was transferred with evid seleased by: We, the undersigned, cert was transferred with evid	tify that on	Raw iltered water Describe: Describe: Describe: Ped at < 4 C NaOH added Requential water Prese Ple 2 i N g at 2 i	water C C Soil/Sedia HCl added to to pH > 12 ith Ra-228, 2 ith Ra-228, 2 rved to pH > 1 ase use CHAI ///5/ the Fime the box) C Addia Time	confirmation \ Other Oscibe: To pH < 2 HNO3 Other Describe: 2 gal. (EPA 900.0/90 2 at Lab Prese NOF CUSTODY FOR Sample identified on Not Present & Received by:	the container(s)	ite challrine (Date/Initial: mandate mis form by Resent & Dam Signature	equest ID no	Asc. ac	id addec
AMPLE Filtered water PPE Other air/lice PRESERVATION Labor MANALYSES LIST OR ANALYSES LIST ADDITIONAL ANALYSES LIST ADDITIONAL ANALYSES LIST ADDITIONAL ANALYSES LIST ABOUT MANALYSES Lab Remarks: We, the undersigned, certivas transferred with evideleased by: We, the undersigned, certivas transferred with evideleased by:	tify that on	Raw iltered water Describe: Describe: Describe: Ped at < 4 C NaOH added Requential water Prese Ple 2 i N g at 2 i	water C C Soil/Sedia HCl added to to pH > 12 ith Ra-228, 2 ith Ra-228, 2 rved to pH > 1 ase use CHAI ///5/ the Fime the box) C Addia Time	confirmation 🔀 One ment Sludge Coment Sludge Coment Sludge Coment Coment Coment 2 gal. (EPA 900.0/90 2 at Lab Prese NOF CUSTODY FOR Sample identified on Not Present Coment C	ther Describe: s Blood (U added to pH < 2 3.1/904.0, etc. added to pH < 2 at and when requires the container(s) cable the container(s) resent & Intact	ments r and th	Date/Initial: mandate mis form by R resent & Dam Signatu	equest ID no	Asc. ac	id addec
SAMPLE Filtered water PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST RC ANALYSES LIST NC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preserval AB	tify that on	Raw iltered water Describe: Describe: Describe: Ped at < 4 C NaOH added Requential water Prese Ple 2 i N g at 2 i	water C C Soil/Sedia HCl added to to pH > 12 ith Ra-228, 2 ith Ra-228, 2 rved to pH > 1 ase use CHAI ///5/ the Fime the box) C Addia Time	confirmation \ Other Oscibe: To pH < 2 HNO3 Other Describe: 2 gal. (EPA 900.0/90 2 at Lab Prese NOF CUSTODY FOR Sample identified on Not Present & Received by:	ther Describe: s Blood (U added to pH < 2 3.1/904.0, etc. added to pH < 2 at and when requires the container(s) cable the container(s) resent & Intact	ments r and th	Date/Initial: mandate mis form by R resent & Dam Signatu	equest ID nuaged	Asc. ac	id addec

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

November 21, 2008

Request ID No. 2419403 ANALYTICAL REPORT

SLD Accession No. RC-2008-0290

Distribution

(x) User 55321

(x) Submitter 541 . Client 0-0

(x) SLD Files

To: NMED - Ground Water Pollution Preventio P.O. Box 26110

Santa Fe, NM 87502

COLLECTION

User: NMED GWQ Bureau Abatement and Assessm P.O. Box 26110

Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section Scientific Laboratory Division 700 Camino de Salud, NE P.O. Box 4700

Albuquerque, NM 87196-4700

LOCATION

DEMOGRAPHIC DATA

COLLECTION		EOCATION							
On: 8/25/2008 At: 9:24	By: BALL, JUSTIN In/Near: Milan	Facili	ty: BLU		RANIUM MIL	L CERCLIS ID NI	MD007106891		
	An	alytical F	Results			-	ale		
CAS No.	Analyte	<u>Value</u>	<u>Sigma</u>	D. Lmt.	<u>Units</u>	Analyst	Method		
12587-46-1	Gross Alpha w/ Am-241 Reference	7.2	1.0	1.3	pCi/L	Crowell	SM 7110 B		
12587-46-1	Gross Alpha w/ U-nat Reference	8.8	1.3	1.5	pCi/L	Crowell	SM 7110 B		
12587-47-2	Gross Beta w/ Cs-137 Reference	5.0	1.0	1.6	pCi/L	Crowell	SM 7110 B		
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	4.9	1.0	1.6	pCi/L	Crowell	SM 7110 B		
07440-61-1	Uranium, Mass Concentration	11.0	1.1	1.0	uG/L	Patel	200.8		
13982-63-3	Radium-226, SDWA Method	0.19	0.03	0.01	pCi/L	Valdez	903.1		
15262-20-1	Radium-228, SDWA Method	10.0	0.10	0.14	pCi/L	Ewing	904.0		

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By: 7

Nidal Jadalla

11/20/2008

Supervisor, Radiochemistry

NEW MEXICO DEPARTMENT OF HEALT		ALYTICAL REQUEST FORM (INTERACTIVE)
Request ID # Here	Scientific Laboratory Division 700 Camino de Salud NE - PO Box 4700	The state and state and state are state and state and state and
One Form	Albuquerque, NM 87196 - 4700	One Form
Per Sample		Per Sample RC0800290
	CTIME (55321 (GWB - remediation superfund) (CTIME (GWB - pollution prevention) (CTIME (GWB - pollution) (CTIME (GWB -	55000 (DWB - SDWA - fee-for-service) 55420 (DWB - non-reg. contaminants)
27.10100	7	64000 (Individual client fee-for-service)
LAB USE - SAMPLE TEMPERATURE (deg. C):	1/4-1	
SAMPLE PRIORITY: (1, 2, 3 - call Lab if 1 or 2)	discussion of the particular transfer of the state of the	OTHER (enter 5-digit user code)
SUBMITTER CODE (3-digit): 7-7- WSS CO		VQB = 13-chars):
	nium mill CERCLIS ID NMD007106891	
FACILITY LOCATION (if no WSS complete box	es): County: Cibola City: Milan	State: NM, or change to: NM
SAMPLING LOCATION:	B5W-21	
DATE COLLECTED (MM-DD-YY): 8/	25/08 BY: Last Name: Bec/	
TIME COLLECTED (HH:MM 24-hr):	724 First Name: Justia	
SAMPLE INFO CONTACT Phone: 4	76-3777 Name if not collector: David L. Mayerso	on
New / Change Address for Submitter	> Name: NMED/GWQB/50S	
New/Change Address for WSS/Client-	Address: 1190 St. Francis Dr	. N2300
Send an additional report to	> City: Santa Fe, NM 8750	02
FIELD DATA Non-chlorinated Ch	larinated Residual (mg/l): pH: Conductivity ((uS/cm): Temperature (deg. C):
REMARKS Field remarks:		
SAMPLING X NMED monitoring	Compliance Non-compliance Split with	
riinstied water	Rawwater Confirmation Other Describe: site	
THE STATE OF THE S	I water C Soil/Sediment C Sludge C Blood C Urin	e C Tissue C Saliva C Swipe/Smear
(Other any inquity solid Descri		
IPRESERVATION	4C HCl added to pH < 2 HNO3 added to pH < 2	H:SO: added to pH < 2 Asc. acid added
	H added to pH > 12 Other Describe:	
HM ANALYSES LIST		
OR ANALYSES LIST		
RC ANALYSES LIST 803 SDWA seque	ential with Ra-228, 2 gal. (EPA 900.0/903.1/904.0, etc.)	
WC ANALYSES LIST		
ADDITIONAL ANALYSES		
FOR Field preservation confirmed	Preserved to pH > 12 at Lab Preserved to pH < 2 at La	b Date/Initial: 27 Nuglos/12t
USE Lab Remarks:		d
	Please use CHAIN OF CUSTODY FORM when requirement	nts mandate
We, the undersigned (certify that on 27/	$\frac{\sqrt{5.35}}{2}$ the sample identified on the container(s) ar	nd this form by Request ID number 241940
was transferred with evidentiary real(s) (chec	Time k applicable box) (** Not Present (** Present & Intact (**)	
	16 C	
Released by: Signatu	& Received by:	Signature
1	Additional Transfer If Applicable	
	at the sample identified on the container(s) ar	nd this form by Request ID number
Date was transferred with evidentiary seal(s) (chec	k applicable box) (Not Present (Present & Intact (Present & Damaged
Released by:	& Received by:	
Signatu.		Sianature Reset Form
	Form last modified on 03/17/08	i neserroim i

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

October 23, 2008

Request ID No. 2419398 ANALYTICAL REPORT
SLD Accession No. RC-2008-0285

Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED GWQ Bureau Abatement and Asse P.O. Box 26110

Santa Fe, NM 87502

Submitter: NMED - Ground Water Pollution Prevention S

P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section
Scientific Laboratory Division
700 Camino de Salud, NE
P.O. Box 4700

Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

	COLLECTION		LOCATION				
On:	8/25/2008	By: MAYERSON, DAVID	Facility:	BLUEWATER URANIUM MILL CERCLIS ID NMD007106891			
At:	10:51	In/Near: Milan	•	BWSI-22	41		
					7"		

Analytical Results							
CAS No.	Analyte	<u>Value</u>	<u>Sigma</u>	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	4.0	0.7	1.0	pCi/L	Crowell	900
12587-46-1	Gross Alpha w/ U-nat Reference	4.7	0.8	1.1	pCi/L	Crowell	900
12587-47-2	Gross Beta w/ Cs-137 Reference	2.0	0.8	1.6	pCi/L	Crowell	900
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	2.0	0.8	1.6	pCi/L	Crowell	900
13982-63-3	Radium-226, SDWA Method	0.15	0.01	0.01	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.04	0.09	0.14	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

Nidal Jadalla

10/23/2008

			134
NEW MEXICO DEPARTM	NT OF HEALTH	CHEMISTRY BUREAU	ANALYTICAL REQUEST FORM (INTERACTIVE
Request ID # Here	nar w	Scientific Laboratory Division 700 Camino de Salud NE - PO Box 4700	1 ah Accession # Here
4	One Form Per Sample	Albuquerque, NM 87196 - 4700 Phone 505 841 2500	One Form Per Sample RC0800285
LAB	DATE	(55321 (GWB - remediation superfund)	C 55000 (DWB - SDWA - tee-tor-service)
USE>: "419398	<< <time STAMP</time 	55410 (GWB-pollution prevention) 08 AU 3.2 7 F1 3: 47	55420 (DWB - non-reg. contaminants)
LAB USE - SAMPLE TEMPER	ATURE (deg. C):	C 55910 (SWQ8-MS)	(64000 (Individual client fee-for-service)
SAMPLE PRIORITY: (1, 2, 3 -	eall Lab if 1 or 2) 3	55920 (SWQB - PSRS)	OTHER (enter 5-digit user code)
SUBMITTER CODE (3-digit):	WSS CODE (XX)	(XXXXXXX): SITE ID $(DWB = 4-c)$	figit, SWQB = 13-chars):
FACILITY / WSS NAME:	Bluewater uranium n	nill CERCLIS ID NMD007106891	
FACILITY LOCATION (if no W	'SS complete boxes):	County: Cibola City: Milai	State: NM, or change to: NM
SAMPLING LOCATION:	BUSI-2	2	
DATE COLLECTED (MM-DD-	(Y): 3/25/0	S BY: Last Name:	l Mayerson
TIME COLLECTED (HH:MM 24		First Name:	uid.
SAMPLE INFO CONTACT Pho	10.51	77 Name if not collector: David L. M	averson
New / Change Address for	1 2 2000		
New/Change Address for	WSS/Client	AND THE COURT OF T	
Send an additional report			
	rinated (Chlorinate		ctivity (uS/cm): Temperature (deg. C):
AND REMARKS Field remo		residual (rig) y. pr.a. Corida	remperature (deg. c).
A Company of the control of the cont		Compliance I Noncompliance To En	Davidsh facility F Coch sounds F Companies
SAMPLING X NW.	ED monitoring		lit with facility Grab sample Composite
Fin.	ished water Raw	water Confirmation X Other Describ	e: site characterization
SAMPLE Filtered water	Non-filtered water	C Soil/Sediment C Sludge C Blood C	Urine (Tissue (Saliva (Swipe/Smear
TYPE Other air/liquid/	solid Describe:		
None	Shipped at < 4 C	HCl added to pH < 2	<2
PRESERVATION '		d to pH > 12 Other Describe:	
HM ANALYSES LIST	9.1.1 T. 11.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1		
OR ANALYSES LIST			
	3 SDWA sequential v	vith Ra-228, 2 gal. (EPA 900.0/903.1/904.0,	etr.)
WC ANALYSES LIST	3 30 TTA SEQUENTIAL T	1101118 220, 2 gai. (El 11 200.0/ 203.1/ 201.0/	
ADDITIONAL ANALYSES			
FOR Field preservation	confirmed	aniedta alla 13 atlah 37 Brasaniedta alla	Zarlah O . II
LAB '	confirmed Prese	erved to pH > 12 at Lab Preserved to pH <	2 at Lab Date/Initial: 127 Aug 08 1516
USE Lab Remarks:			
	1 1	ease use CHAIN OF CUSTODY FORM when requ	The state of the s
We, the undersigned, ceptify t	hat on <u>8/27/08</u> at [5:35 the sample identified on the containe	er(s) and this form by Request ID number $\frac{24/937}{2}$
was transferred with evident		able box) Not Present Present & Into	
Released by:	14	& Received by:	Malleus
T	Signature	Additional Transfer If Applicable	Signature
We the understand coefficial	nat on	Anthorities and accompanies all metalliculous Co. The Proposition Co. Section Co.	or(c) and this form by Possinet ID number
95	Date	Time	er(s) and this form by Request ID number
		able box) (Not Present (Present & Intac	
Released by:	Sianature	& Received by:	Sianature
Print Form	JINTIGUIE	Faundamentalis de la cartazion	Desat Faces

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

November 10, 2008

Request ID No. 2419401 ANALYTICAL REPORT
SLD Accession No. RC-2008-0288

Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED - Ground Water Pollution Preventio P.O. Box 26110

Santa Fe, NM 87502

User: NMED GWQ Bureau Abatement and Assessm P.O. Box 26110

Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section
Scientific Laboratory Division
700 Camino de Salud, NE
P.O. Box 4700
Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

COLLECTION

On: 8/25/2008 By: MAYERSON, DAVID
At: 11:42 In/Near: Milan

LOCATION

Facility: BLUEWATER URANIUM MILL CERCLIS ID NMD007106891

BWSI-23

Analytical Results							
CAS No.	Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method
2587-46-1	Gross Alpha w/ Am-241 Reference	12.6	1.5	1.6	pCi/L	Crowell	900
12587-46-1	Gross Alpha w/ U-nat Reference	15.5	1.8	2.0	pCi/L	Crowell	900
12587-47-2	Gross Beta w/ Cs-137 Reference	13.6	1.7	2.2	pCi/L	Crowell	900
2587-47-2	Gross Beta w/ Sr/Y-90 Reference	13.0	1.6	2.1	pCi/L	Crowell	900
7440-61-1	Uranium, Mass Concentration	12.	1.2	1.0	uG/L	Patel	200.8
3982-63-3	Radium-226, SDWA Method	0.20	0.01	0.01	pCi/L	Valdez	903.1
5262-20-1	Radium-228, SDWA Method	0.22	0.11	0.15	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By: ___

Nidal Jadalla

10/28/2008

NEW MEXICO DEPARTMENT OF HEALTH		NALYTICAL REQUEST FORM (INTERACTIVE)
Request ID # Here	Scientific Laboratory Division 700 Camino de Salud NE - PO Box 4700	Inh Accession # Union
One Form Per Sample	Albuquerque, NM 87196 - 4700	One Form Per Sample
	Phone 505 841 2500 TE 6 55321 (GWB - remediation superfund)	C 55000 (DWB - SDWA - fee-for-service)
USE>>:	ME	
ONLY 2419401 ST/	MP (55410 (GWB - pollution prevention)	55420 (DWB - non-reg. contaminants)
LAB USE - SAMPLE TEMPERATURE (deg. C):	(5' 55910 (SWQB-MS)	64000 (Individual client fee-for-service)
SAMPLE PRIORITY: (1, 2, 3 - 224L) db if 1 or 2)	(55920 (SWQB - PSRS)	OTHER (enter 5-digit user code)
SUBMITTER CODE (3-digit). WSS COD	(xxxxxxxxx): SITE ID (DWB = 4-digit,	SWQB = 13-chars):
	m mill CERCLIS ID NMD007106891	
FACILITY LOCATION (if no W55 complete boxes	: County: Cibola City: Milan	State: NM, or change to: NM
SAMPLING LOCATION: RWSI	-23	
DATE COLLECTED (MM-DD-YY):	25/08 BY: Last Name: Mayers	06/34
TIME COLLECTED (HH:MM 24-hr):	+2 First Name: 12001	
SAMPLE INFO CONTACT Phone: 476	-3777 Name if not collector: David L. Mayer	son
New / Change Address for Submitter	> Name: NMED/GWQB/SC	os
New/Change Address for WSS/Client	Address: 1190 St. Francis I	Dr. N2300
Send an additional report to	> City: Santa Fe, NM 87	502
FIELD DATA (Non-chlorinated Chlorinated C	nated Residual (mg/l): pH: Conductivity	y (u5/cm): Temperature (deg. C):
REMARKS Field remarks:		
SAMPLING X NMED monitoring	Compliance Non-compliance Split with	th facility Grab sample Composite
DOCUMENTATION Finished water	Rawwater Confirmation 🔀 Other Describe: sit	te characterization
SAMPLE (Filtered water (Non-filtered w	ater (Soil/Sediment (Sludge (Blood (Uri	187
TYPE Other air/liquid/solid Describe		
□ None □ Shipped at < 4		☐ H2SO₁ added to pH < 2 ☐ Asc. acid added
IPRESERVATION	dded to pH > 12 Other Describe:	,
HM ANALYSES LIST		4
OR ANALYSES LIST		
RC ANALYSES LIST 803 SDWA sequent	ial with Ra-228, 2 gal. (EPA 900.0/903.1/904.0, etc.)	4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4, 4
WC ANALYSES LIST		
ADDITIONAL ANALYSES		
FOR Field preservation confirmed	Preserved to pH > 12 at Lab Preserved to pH < 2 at L	ab Date/Initial: 27 Augu8 /TLE
USE Lab Remarks:		12/Acq 8/300
	Please use CHAIN OF CUSTODY FORM when requirem	contrar and ato
l colonia	(3)	Company of the Compan
We, the undersigned, certify that on 27/02	at 15:35 the sample identified on the container(s)	and this form by Request ID number 17790)
was transferred with evidentiary seal(s) (check a	oplicable box) (Not Present (Present & Intact	(Present & Damaged
Released by:	& Received by:	Balleans
Signature		Signature 1
/	Additional Transfer If Applicable	
We, the undersigned, certify that on	at the sample identified on the container(s) a	and this form by Request ID number
was transferred with evidentiary seal(s) (check a		(Present & Damaged
Released by:	& Received by:	
Signature Signature		Signature Reset Form
· emmermin I	Form last modified on 07/17/09	i vezer com i

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

November 21, 2008

Request ID No. 2419407 ANALYTICAL REPORT
SLD Accession No. RC-2008-0300

Distribution

(x) User 55321 (x) Submitter 541 . Client 0-0

(x) SLD Files

To: NMED GWQ Bureau Abatement and Asse P.O. Box 26110

Santa Fe, NM 87502

Submitter: NMED - Ground Water Pollution Prevention S

P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section
Scientific Laboratory Division
700 Camino de Salud, NE
P.O. Box 4700

Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

	COLLECTION		LOCATION
On: 8/25/2008	By: ORTELLI, ANGELO	Facility:	BLUEWATER URANIUM MILL CERCLIS ID NMD007106891
At: 12:46	In/Near: Milan		BWSI-24

	Analytical Results								
CAS No.	CAS No. Analyte <u>Value Sigma D. Lmt. Units</u> Analyst								
12587-46-1	Gross Alpha w/ Am-241 Reference	11.3	1.3	1.7	pCi/L	Crowell	SM 7110 B		
12587-46-1	Gross Alpha w/ U-nat Reference	14.0	1.6	2.1	pCi/L	Crowell	SM 7110 B		
12587-47-2	Gross Beta w/ Cs-137 Reference	16.6	1.6	2.0	pCi/L	Crowell	SM 7110 B		
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	16.1	1.5	2.0	pCi/L	Crowell	SM 7110 B		
07440-61-1	Uranium, Mass Concentration	14.0	1.4	1.0	ug/L	Patel	200.8		
13982-63-3	Radium-226, SDWA Method	0.32	0.02	0.01	pCi/L	Valdez	903.1		
15262-20-1	Radium-228, SDWA Method	0.41	0.10	0.14	pCi/L	Ewing	904.0		

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

Nidal Jadalla

11/17/2008

Supervisor, Radiochemistry search

NOV 2008

Page 1 of 1

	TMENT OF HEALTH		CHEMISTRY BUREAU Intific Laboratory Divi		IALYTICAL REQ	UEST FORM (II	
RequestID# Here	One Form	700 Cam	ino de Salud NE - PO	Box 4700	One Form		ssion # Here
	One Form Per Sample		querque, NM 87196 - Phone 505 841 2500		One Form Per Sample	RCO8	300300
LAB USE>>:		TIME	l (GWB - remediation sup) (GWB - pollution prever			- SDVvA - tee-tor-s - non-reg. contam	ervice)
<u> </u>		1 C C C C C C C C C C C C C C C C C C C	(SWQB-MS)			dual client fee-for	
LAB USE - SAMPLE TEM		10		111 6 110			
SAMPLE PRIORITY: (1, 2	1300		(SWQB - PSRS)			5-digit user code,	
SUBMITTER CODE (3-dig	it): 577 WSS COD	E (xxxxxxxxx):	SITE ID	DWB = 4-digit, S	WQB = 13-chars):		
FACILITY / WSS NAME:			ID NMD007106891				
FACILITY LOCATION (if r	no WSS complete boxe:	s): County: (ibola	City: Milan		State: NM, or cl	ange to: NM
SAMPLING LOCATION:	BUSI -	- 24					
DATE COLLECTED (MM-I	DD-YY): 03/2	5/08	BY: Last Name:	Ontelli			
TIME COLLECTED (HH:M	M 24-hr): /2:	46	First Name:	angelo			
SAMPLE INFO CONTACT	Phone: 470	6-3777	Name if not collector:	distributed by the same	ion	- ALIVES - 1000	
New/Change Address	s for Submitter	·····>	Name:	NMED/GWQB/SO	S		
☐ New / Change Addres	s for WSS / Client	×	Address:	1190 St. Francis D)r. N2300		
Send an additional re	port to	·>	City:	Santa Fe, NM 87	502		
FIELD DATA (Non-	chlorinated (Chlo	rinated Residua	The second secon	Conductivity	T	Temperature (c	leg. C):
AND	remarks:						
			Confirmation ☆ Oth				Swipe/Smea
SAMPLE Filtered wat TYPE Other air/lig	er (Non-filtered v quid/solid Describe e	vater C Soil/Se e: HCl adde	diment ← Sludge ← d to pH < 2 ▼ HNO₃	Blood (Urii	ne (Tissue (Saliva (Swipe/Smean
SAMPLE Filtered wat TYPE Other air/lig	er (Non-filtered v quid/solid Describe e	vater C Soil/Se e: HCl adde	diment (Sludge (Blood (Urii	ne (Tissue (Saliva (
SAMPLE Filtered wat TYPE Other air/lig PRESERVATION Don Lab	er (Non-filtered v quid/solid Describe e	vater C Soil/Se e: HCl adde	diment ← Sludge ←	Blood (Urii	ne (Tissue (Saliva (
SAMPLE Filtered wat TYPE Other air/lig PRESERVATION Non Lab	er (Non-filtered v quid/solid Describe e	vater C Soil/Se e: HCl adde	diment ← Sludge ←	Blood (Urii	ne (Tissue (Saliva (
SAMPLE Filtered wat TYPE Other air/lig PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST	er Non-filtered v quid/solid Describe e Shipped at < 4 to acidify NaOH	vater (Soil/Se e: HCl adde added to pH > 12	diment ← Sludge ←	Blood Urii	ne (Tissue (Saliva (
SAMPLE Filtered wat TYPE Other air/lig PRESERVATION	er Non-filtered v quid/solid Describe e Shipped at < 4 to acidify NaOH	vater (Soil/Se e: HCl adde added to pH > 12	d to pH < 2 HNO3	Blood Urii	ne (Tissue (Saliva (
SAMPLE Filtered wat TYPE Other air/lig PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST	er Non-filtered v quid/solid Describe e Shipped at < 4 to acidify NaOH	vater (Soil/Se e: HCl adde added to pH > 12 tial with Ra-228	d to pH < 2 X HNO3. Other Describe: , 2 gal. (EPA 900.0/90	Blood	ne (Tissue (Saliva (sc. acid added
SAMPLE Filtered wat TYPE Other air/lig PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST RC ANALYSES LIST	er Non-filtered v quid/solid Describe e	vater (Soil/Se e: HCl adde added to pH > 12 tial with Ra-228	d to pH < 2 HNO3	Blood	ne (Tissue (Saliva (sc. acid added
SAMPLE Filtered water TYPE Other air/light PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST RC ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preservat	er Non-filtered v quid/solid Describe e	vater Soil/Se HCladde added to pH > 12 Itial with Ra-228	d to pH < 2 X HNO3. Other Describe: , 2 gal. (EPA 900.0/90	Blood Uring added to pH < 2 3.1/904.0, etc.)	ne (Tissue (H2SO1 added to	Saliva (sc. acid added
SAMPLE Filtered wat TYPE Other air/lig PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preservat LAB USE Lab Remarks:	er Non-filtered valuid/solid Describe e Shipped at < 4 to acidify NaOH 803 SDWA sequen ion confirmed	Please use CH	diment Sludge C d to pH < 2 X HNO3 Other Describe: , 2 gal. (EPA 900.0/90 12 at Lab Preser	Blood Uring added to pH < 2 3.1/904.0, etc.) wed to pH < 2 at Landau and the pH < 2 at Landau	ne (Tissue (H2SO1 added to ab Date/Initial:	Saliva (sc. acid added
SAMPLE Filtered water TYPE Other air/light Other air/light PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preservat AB JSE Lab Remarks: We, the undersigned, cert	ify that on Date	Preserved to pH > 12 Please use CH. Time applicable box) (dto pH < 2 X HNO3 Other Describe: 2 gal. (EPA 900.0/90 12 at Lab Preser AIN OF CUSTODY FORM e sample identified on the Not Present Presert	Blood Uring added to pH < 2 3.1/904.0, etc.) Wed to pH < 2 at Long the container(s) a	Tissue (H2SO1 added to ab Date/Initial: ents mandate	Saliva (sc. acid added
SAMPLE Filtered water TYPE Other air/light Other air/light PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preservation Lab Remarks: We, the undersigned, cert was transferred with evidence was tr	ify that on Date	Preserved to pH > 12 Please use CH. Time applicable box) (dto pH < 2 X HNO3 Other Describe: , 2 gal. (EPA 900.0/90 12 at Lab Preser AIN OF CUSTODY FORM e sample identified on	Blood (Uring added to pH < 2 3.1/904.0, etc.) Wed to pH < 2 at Land the container(s) are sent & Intack (Intack)	Tissue (H2SO1 added to ab Date/Initial: ents mandate	Saliva (opH < 2 As	sc. acid added
SAMPLE Filtered wat TYPE Other air/lig PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST AC ANALYSES LIST A	ify that on Opate Signature Non-filtered v Describe Shipped at < 4 NaOH NaOH NaOH Signature	Please use CH. Please use CH. Time applicable box) (diment Sludge (dito pH < 2 X HNO3 Other Describe: , 2 gal. (EPA 900.0/90 12 at Lab Preser AIN OF CUSTODY FORI e sample identified on a Not Present Pi & Received by: ditional Transfer If Applicational Transfer If Applications Pi	Blood Uring added to pH < 2 3.1/904.0, etc.) Wed to pH < 2 at Long the container(s) and the	ab Date/Initial: ents mandate and this form by Re Signature	Saliva (opH < 2 As equest ID number aged	SC. acid added
SAMPLE Filtered water TYPE Other air/light PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST RC ANALYSES LIST WC ANALYSES LIST ADDITIONAL ANALYSES FOR Field preservat	ify that on Date	Preserved to pH > 12 Please use CH Time applicable box) (Ad At Time	dto pH < 2 X HNO3 Other Describe: 12 at Lab Preser AIN OF CUSTODY FORI e sample identified on the sample identified on	Blood Uring added to pH < 2 3.1/904.0, etc.) Wed to pH < 2 at Land the container(s) are sent & Intach (container(s) are sent	Tissue (H2SO1 added to Ab Date/Initial: ents mandate and this form by Re Signatur nd this form by Re	Saliva (opH < 2 As opH < 2 As equest ID number equest ID number	SC. acid added
SAMPLE Filtered water Type Other air/light Other air/light PRESERVATION Lab HM ANALYSES LIST OR ANALYSES LIST ADDITIONAL ANALYSES FOR Field preservat AB USE Lab Remarks: We, the undersigned, cert was transferred with evidence of the cert	ify that on Date	Preserved to pH > 12 Preserved to pH > 12 Please use CHA Time applicable box) (Ad at	dto pH < 2 X HNO3 Other Describe: 12 at Lab Preser AIN OF CUSTODY FORI e sample identified on the sample identified on	Blood Uring added to pH < 2 3.1/904.0, etc.) Wed to pH < 2 at Long the container(s) and the container(s) and the container(s) and the container(s) are sent & Intact (s) and the container(s) and the container(s) are sent & Intact (s) and the container(s) and the container(s) are sent & Intact (s)	Tissue (H2SO1 added to H2SO1 added to ab Date/Initial: ents mandate and this form by Re Present & Dame Signatur nd this form by Re	Saliva (opH < 2 As opH < 2 As equest ID number equest ID number	SC. acid added

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

January 6, 2009

Request ID No. 2419426

ANALYTICAL REPORT SLD Accession No. RC-2008-0313

Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED - Ground Water Pollution Preventio P.O. Box 26110 Santa Fe, NM 87502

User: NMED GWQ Bureau Abatement and Assessm P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 29, 2008

Client:

SLD: Radiochemistry Section
Scientific Laboratory Division
700 Camino de Salud, NE
P.O. Box 4700
Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

	COLLECTION		LOCATION
On: 8/27/2008	By: EARLE DIXON	Facility:	BLUEWATER URANIUM MILL CERCLIS ID NMD007106891
At: 17:00	In/Near: Milan		BWSI-25
		Analytical Resu	llts

	An	alytical F	Results	\$			11/2
CAS No.	Analyte	<u>Value</u>	<u>Sigma</u>	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	-0.7	0.5	1.2	pCi/L	Crowell	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	-0.9	0.6	1.6	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	5.2	0.9	1.6	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	5.0	0.9	1.5	pCi/L	Crowell	SM 7110 B
13982-63-3	Radium-226, SDWA Method	-0.06	0.03	0.02	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.29	0.11	0.17	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "tess than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".



Reviewed By: __

Nidal Jadalla

1/6/2009

DIEN MEVICO DEDADT	MENT OF HEALTH	CUEMICTOVO	IDEALL	ANALYZICAL DEGLIEC	T CODE /INITEDACTIVE
NEW MEXICO DEPART	MENT OF HEALTH	CHEMISTRY BI Scientific Laborato	ry Division	ANALT IICAL REQUES	T FORM (INTERACTIVE
THE REPORT OF THE PART WITH THE PROPERTY OF THE PARTY OF	One Form	700 Camino de Salud Ni Albuquerque, NM 8		One Form	
2419426	Per Sample	Phone 505 841		Per Sample	RC0800313
LAB	DATE	€ 55321 (GWB - remediate	ion superfund)	55000 (DWB - SDV	
ONLY) 8 AUG 25 AU	:52 << <time STAMP</time 	55410 (GWB - pollution	prevention)	55420 (DWB - non	-reg. contaminants)
LAB USE - SAMPLE TEMP	ERATURE (deg. C):	55910 (SWQB - MS)		C 64000 (Individual	client fee-for-service)
SAMPLE PRIORITY: (1, 2,		55920 (SWQB - PSRS)		OTHER (enter 5-dig	git user code)
SUBMITTER CODE (3-digit	1):54(WSS CODE (xx	xxxxxxx):	SITE ID (DWB = 4-digit	t, SWQB = 13-chars):	
FACILITY / WSS NAME:	Bluewater uranium r	nill CERCLIS ID NMD00710	6891		
FACILITY LOCATION (if no	WSS complete boxes):	County: Cibola	City: Milan	Sta	ite: NM, or change to: NM
SAMPLING LOCATION:	BWSI-21	<u> </u>			
DATE COLLECTED (MM-D	D-YY): 8/27/09	BY: Last !	iame: Piyyan	Dixon	
TIME COLLECTED (HH:MN	4-44	, , , , , , , , , , , , , , , , , , ,	Name: Eas	Ve	
SAMPLE INFO CONTACT	Phone: 476-37	77 Name if not col	ector: David L. Maye	erson	
New / Change Address	for Submitter	>	lame: NMED/GWQB/	SOS	
New / Change Address	for WSS / Client	> Ad	dress: 1190 St. Franci	s Dr. N2300	
Send an additional rep	ort to	·····>	City: Santa Fe, NM 8	37502	
FIELD DATA (Non-co	hlorinated Chlorinat	ed_Residual (mg/l):	PH: Conductiv	rity (uS/cm): Ter	mperature (deg. C):
REMARKS Field re	emarks:				
SAMPLING	NMED monitoring Finished water Rav	Compliance Non-com		with facility Grab so	ample Composite
SAMPLE C Filtered water		C Soil/Sediment C Slud			aliva (Swipe/Smear
TYPE Other air/liqu	-				
PRESERVATION		HCl added to pH < 2 X		2 HzSO+ added to pH	< 2 Asc. acid added
HM ANALYSES LIST		A 1550 A	·		
OR ANALYSES LIST					
RC ANALYSES LIST	803 SDWA sequential v	vith Ra-228, 2 gal. (EPA 90	0.0/903.1/904.0. etc	:.)	
WC ANALYSES LIST		777777	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	.,	
ADDITIONAL ANALYSES					
FOR Field preservation	nn confirmed	erved to pH > 12 at Lab	Preserved to nH < 2 as	t lah Date/Initials 1	O ALLA KINGO
LAB USE Lab Remarks:	, , , ,		710001000000000000000000000000000000000	Buterinia. Al	rung os rric
	P	ease use CHAIN OF CUSTOD	Y FORM when require	ments mandate	
We, the undersigned, certil	1/	#52 the sample identifi	187.9		st ID number 24/74/26
	. Date	Time rable box) (Not Present	/		
1/11	Was I		72	7	
Released by:	Signature	& Received		Signature	
1		Additional Transfer I	R0.70		
	Date	the sample identifi		151	
was transferred with evide	ntiary seal(s) (check applic	rable box) (Not Present	Present & Intact	(Present & Damaged	
Released by:	C1	& Received	by:		
Print Form	Signature	Form last modified o	n 03/17/09	Signature	Reset Form

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

December 19, 2008

Request ID No. 2419427

ANALYTICAL REPORT SLD Accession No. RC-2008-0312

Distribution (x) User 55321 (x) Submitter 541 . Client 0-0 (x) SLD Files

To: NMED GWQ Bureau Abatement and Asse P.O. Box 26110

Santa Fe, NM 87502

Submitter: NMED - Ground Water Pollution Prevention S P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 29, 2008

Client:

SLD: Radiochemistry Section Scientific Laboratory Division 700 Camino de Salud, NE P.O. Box 4700 Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

	COLLECTION		LOCATION
On: 8/27/2008	By: DIXON, EARLE	Facility:	BLUEWATER URANIUM MILL CERCLIS ID NMD007106891
At: 11:20	In/Near: Milan		BWSI-26

	Analytical Results							
AS No. Analyte Value Sigma D. Lmt. Units Analyst								
Gross Alpha w/ Am-241 Reference	-1.1	0.5	1.4	pCi/L	Crowell	SM 7110 B		
Gross Alpha w/ U-nat Reference	-1.4	0.7	1.8	pCi/L	Crowell	SM 7110 B		
Gross Beta w/ Cs-137 Reference	1.0	1.1	2.1	pCi/L	Crowell	SM 7110 B		
Gross Beta w/ Sr/Y-90 Reference	1.0	1.0	2.1	pCi/L	Crowell	SM 7110 B		
Radium-226, Total	1.65	0.01	0.11	pCi/L	Valdez	903.1		
Radium-228, Total	4.0	4.5	6.2	pCi/L	Ewing	904.0		
	Gross Alpha w/ Am-241 Reference Gross Alpha w/ U-nat Reference Gross Beta w/ Cs-137 Reference Gross Beta w/ Sr/Y-90 Reference Radium-226, Total	Gross Alpha w/ Am-241 Reference -1.1 Gross Alpha w/ U-nat Reference -1.4 Gross Beta w/ Cs-137 Reference 1.0 Gross Beta w/ Sr/Y-90 Reference 1.0 Radium-226, Total 1.65	Gross Alpha w/ Am-241 Reference -1.1 0.5 Gross Alpha w/ U-nat Reference -1.4 0.7 Gross Beta w/ Cs-137 Reference 1.0 1.1 Gross Beta w/ Sr/Y-90 Reference 1.0 1.0 Radium-226, Total 1.65 0.01	Gross Alpha w/ Am-241 Reference -1.1 0.5 1.4 Gross Alpha w/ U-nat Reference -1.4 0.7 1.8 Gross Beta w/ Cs-137 Reference 1.0 1.1 2.1 Gross Beta w/ Sr/Y-90 Reference 1.0 1.0 2.1 Radium-226, Total 1.65 0.01 0.11	Gross Alpha w/ Am-241 Reference -1.1 0.5 1.4 pCi/L Gross Alpha w/ U-nat Reference -1.4 0.7 1.8 pCi/L Gross Beta w/ Cs-137 Reference 1.0 1.1 2.1 pCi/L Gross Beta w/ Sr/Y-90 Reference 1.0 1.0 2.1 pCi/L Radium-226, Total 1.65 0.01 0.11 pCi/L	Gross Alpha w/ Am-241 Reference -1.1 0.5 1.4 pCi/L Crowell Gross Alpha w/ U-nat Reference -1.4 0.7 1.8 pCi/L Crowell Gross Beta w/ Cs-137 Reference 1.0 1.1 2.1 pCi/L Crowell Gross Beta w/ Sr/Y-90 Reference 1.0 1.0 2.1 pCi/L Crowell Radium-226, Total 1.65 0.01 0.11 pCi/L Valdez		

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

Nidal Jadalla

12/19/2008

Form last modified on 03/17/09

Reset Form

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

December 19, 2008

Request

ID No. 2419428

ANALYTICAL REPORT
SLD Accession No. RC-2008-0314

Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED GWQ Bureau Abatement and Asse P.O. Box 26110

Santa Fe, NM 87502

Submitter: NMED - Ground Water Pollution Prevention S

P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 29, 2008

Client:

SLD: Radiochemistry Section
Scientific Laboratory Division
700 Camino de Salud, NE
P.O. Box 4700
Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

COLLECTION

On: 8/27/2008 By: DIXON, EARLE
At: 14:30 In/Near: Milan

LOCATION

Facility: BLUEWATER URANIUM MILL CERCLIS ID NMD007106891

BWSI-27

	Analytical Results							
CAS No.	Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method	
12587-46-1	Gross Alpha w/ Am-241 Reference	8.8	1.7	1.7	pCi/L	Crowell	SM 7110 B	
12587-46-1	Gross Alpha w/ U-nat Reference	12.0	2.3	2.3	pCi/L	Crowell	SM 7110 B	
12587-47-2	Gross Beta w/ Cs-137 Reference	20.0	2.8	2.2	pCi/L	Crowell	SM 7110 B	
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	18.7	2.6	2.1	pCi/L	Crowell	SM 7110 B	
07440-61-1	Uranium, Mass Concentration	27.0	2.7	5.0	ug/L	Patel	200.8	
13966-29-5	Uranium-234, by Alpha Spec.	6.91	0.25	0.15	pCi/L	Ewing	7500-UC	
07440-61-1	Uranium-238, by Alpha Spec.	7.61	0.27	0.10	pCi/L	Ewing	7500-UC	
13982-63-3	Radium-226, Total	0.09	0.06	0.02	pCi/L	Valdez	903.1	
15262-20-1	Radium-228, Total	0.93	0.85	1.2	pCi/L	Ewing	904.0	

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Laboratory Comments:

Sample contained a small amount of black sediment.

Reviewed By:

lidal Jadalla∕

12/19/2008

					/2
NEW MEXICO DEPART	MENT OF HEALTH	CHEMISTRY BURE Scientific Laboratory D		NALYTICAL REQUEST	
Passace IS # Class	One Form	700 Camino de Salud NE - P	O Box 4700		Lab Accession # Here
	Per Sample	Albuquerque, NM 8719 Phone 505 841 25		Per Sample	
2419428 LAB	DATE	€ 55321 (GWB - remediation :		C 55000 (DWB - SDWA	RC0800314
USE>>> ONLY() 8 AUG 25 At	<- <time< td=""><td></td><td></td><td>55420 (DWB - non-re</td><td></td></time<>			55420 (DWB - non-re	
LAB USE - SAMPLE TEM		55910 (SWQB - MS)		64000 (Individual cli	ient lee-for-service)
SAMPLE PRIORITY: (1, 2,	3 - call Lab if 1 or 2) 3	55920 (SWQB - PSRS)		OTHER (enter 5-digit	t user code)
SUBMITTER CODE (3-dig	it): TY/ WSS CODE (XX	xxxxxxx): SITE	ID (DWB = 4-digit, :	SWQB = 13-chars):	The second second second second
FACILITY / WSS NAME:	Bluewater uranium	mill CERCLIS ID NMD00710689	1		
FACILITY LOCATION (if n		County: Cibola	City: Milan	State	: NM, or change to: NM
SAMPLING LOCATION:	BWSI-2				2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
DATE COLLECTED (MM-L			: Dixon	***************************************	
TIME COLLECTED (HH:MI	7		-	77 TO 197	
SAMPLE INFO CONTACT				son	
	for Submitter		NMED/GWQB/SO		
-	for WSS/Client		1190 St. Francis I		
	oort to		Santa Fe, NM 87		gripopi - garga, ga. data dani
The second secon	chlorinated Chlorinat				
AND		ed Residual (mg/l): pH:	Conductivity	y (us/cm): Temp	perature (deg. C):
The state of the s	emarks:				
SMINIFELING P.	NMED monitoring	Compliance Non-complia	nce [Split wil	th facility Grab san	nple [Composite
DOCUMENTATION _	Finished water Ray	wwater Confirmation 🔀	Other Describe: si	te characterization	
SAMPLE C Filtered wat	er 🌀 Non-filtered water	C Soil/Sediment C Sludge	Blood C Uri	ine (Tissue (Sali	va C Swipe/Smear
TYPE Other air/liq				1	
□ Non	Shipped at < 4 C	HCl added to pH < 2	3 added to pH < 2	☐ H2SO+ added to pH < .	2 Asc. acid added
PKESEKVATION		ed to pH > 12 Other Describ			
HM ANALYSES LIST					
OR ANALYSES LIST					
RC ANALYSES LIST	202 CDWA composin		202 1/004 0 1		10.21.
	803 SDWA sequential	with Ra-228, 2 gal. (EPA 900.0/	903.1/904.0, etc.)		
WC ANALYSES LIST					
ADDITIONAL ANALYSES					
FOR Field preservat	ion confirmed Pres	erved to pH > 12 at Lab Pre	erved to pH < 2 at L	ab Date/Initial: 80	aug 08 me
USE Lab Remarks:	2)
	P	lease use CHAIN OF CUSTODY FO	RM when requirem	nents mandate	
We, the undersigned, cert	fy that on 3/3968 at	11.52 the sample identified o	n the container(s)	and this form by Request	ID number 341943
_	Date/	Time cable box) (Not Present (
//	Lineary scarts) teneck appli		,15 -	,sem a bamagea	-NT-0
Released by:	Signature	& Received by:	1 270	Ciarrie C	
1	signature	Additional Transfer If App	licable	Signature	
We, the undersigned, cert	fy that onat _	the sample identified o	n the container(s) a	and this form by Request	ID number
was transferred with evid	Date entiary seal(s) (check appli	Time cable box) (Not Present (Present & Intact	C Present & Damaged	
Released by:		& Received by:			
	Sianature			Signature	
Print Form		Form last modified on 03	/17/09		Reset Form

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud. NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

November 21, 2008

Request ID No. 2419415

ANALYTICAL REPORT

SLD Accession No. RC-2008-0296

Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED - Ground Water Pollution Preventio P.O. Box 26110 Santa Fe, NM 87502 User: NMED GWQ Bureau Abatement and Assessm P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section
Scientific Laboratory Division
700 Camino de Salud, NE
P.O. Box 4700
Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

	COLLECTION		LOCATION	
On: 8/26/2008		Facility:	BLUEWATER URANIUM MILL CERCLIS ID NMD007106891	
At: 16:02	In/Near: Milan		BWSI-28	P

	Analytical Results								
CAS No.	Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method		
12587-46-1	Gross Alpha w/ Am-241 Reference	0.9	0.5	1.0	pCi/L	Crowell	SM 7110 B		
12587-46-1	Gross Alpha w/ U-nat Reference	1.0	0.5	1.1	pCi/L	Crowell	SM 7110 B		
12587-47-2	Gross Beta w/ Cs-137 Reference	3.4	0.8	1.4	pCi/L	Crowell	SM 7110 B		
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	3.4	0.8	1.3	pCi/L	Crowell	SM 7110 B		
13982-63-3	Radium-226, SDWA Method	10.0	0.01	0.01	pCi/L	Valdez	903.1		
15262-20-1	Radium-228, SDWA Method	-0.02	0.09	0.15	pCi/L	Ewing	904.0		

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

Nidal Jadalla

11/17/2008



NEW MEXICO DEPA	RTMENT OF HEALTH	CHEMISTRY BUREAU		QUEST FORM (INTERACTIVE)
Request ID # Here	-	Scientific Laboratory Divis 700 Camino de Salud NE - PO 8	lov 4700	Accession # Here
	One Form	Albuquerque, NM 87196 - 4	4700 One Form	A CONTRACTOR OF THE PROPERTY O
	Per Sample	Phone 505 841 2500	Per Samp	E RC0800296
LAB . USE>>> \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	DATE CATIME	€ 55321 (GWB - remediation supe		B - SDWA - fee-for-service)
ONLY 2419	STAMP	55410 (GWB - pollution prevent		B - non-reg. contaminants)
LAB USE - SAMPLE TE		55910 (SWQB-MS) / FILE	64000 (Indi	vidual client fee-for-service)
SAMPLE PRIORITY: (1	2, 3 - call Lab if 1 or 2) 3	55920 (SWQB - PSRS)	OTHER (en	er 5-digit user code)
SUBMITTER CODE (3-c	ligit): 54(WSS CODE (xxx	xxxxxxxx): SITE ID	(DWB = 4-digit, SWQB = 13-chars	<u> </u>
FACILITY / WSS NAME	Bluewater uranium n	nill CERCLIS ID NMD007106891		
FACILITY LOCATION (f no WSS complete boxes):	County: Cibola	City: Milan	State: NM, or change to: NM
SAMPLING LOCATION	BUSI-28			
DATE COLLECTED (MA	1-DD-YY): 8/26/08	BY: Last Name:	Ortelli	
TIME COLLECTED (HH.		First Name:	angelo	
SAMPLE INFO CONTA	CT Phone: 476-377	77 Name if not collector:	avid L. Mayerson	
☐ New/Change Addr	ess for Submitter	> Name: N	MED/GWQB/SOS	
☐ New/Change Addr	ess for WSS / Client	> Address: 1	190 St. Francis Dr. N2300	
Send an additional	report to	> City: Sa	anta Fe, NM 87502	
FIELD DATA (No	n-chlorinated (Chlorinate	ed Residual (mg/l): pH:	Conductivity (uS/cm):	Temperature (deg. C):
	d remarks:			
SAMPLING [3	NMED monitoring	Compliance Non-compliance	Split with facility	Grab sample Composite
A Service comments and a real measurement of	Finished water F Raw	water Confirmation Othe	er Describe: site characterizat	ion
		C Soil/Sediment C Sludge C		
THE CL	liquid/solid Describe:			
	one Shipped at < 4C	→ HCLadded to pH < 2 V HNOsa	dded to pH < 2 T H2504 adder	to pH < 2
PRESERVATION	2000	d to pH > 12 TOther Describe:	- This order	735.000.000
HM ANALYSES LIST	- Tubirduct	dioprivita Other Describe.		
OR ANALYSES LIST				
RC ANALYSES LIST	803 SDWA sequential v	vith Ra-228, 2 gal. (EPA 900.0/903	.1/904.0, etc.)	
WC ANALYSES LIST				
ADDITIONAL ANALYS				
FOR Field preserv	ation confirmed Prese	erved to pH > 12 at Lab Preserve	ed to pH < 2 at Lab Date/Initial:	27Kuy D8/JE
USE Lab Remarks:				d
	/ , PI	ease use CHAIN OF CUSTODY FORM	when requirements mandate	
We, the undersigned, co	rtify that on 27 03 at 1		ne container(s) and this form by	Request ID number <u>4194</u> 1
was transferred with ev	Date ' Gentiary seal(s) (check applic	Time rable box) (Not Present (Pre	esent & Intact (Present & Da	maged
X //	14/	& Received by:	Mir Sal	77
Released by:	Signature	/	Signa	ture
		Additional Transfer If Applica	bie	
We, the undersigned, ce			ne container(s) and this form by	Request ID number
was transferred with ev	Date identiary seal(s) (check applic	Time able box) (Not Present (Pres	sent & Intact Present & Da	maged
Released by:		& Received by:		
Print Form	Signature	F	Signa	
riiii roiiii l		Form last modified on 03/17	MR	Reset Form

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud. NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

October 23, 2008

Request ID No. 2419421

ANALYTICAL REPORT SLD Accession No. RC-2008-0284

Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED GWQ Bureau Abatement and Asse P.O. Box 26110

Santa Fe, NM 87502

Submitter: NMED - Ground Water Pollution Prevention S

P.O. Box 26110

Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section
Scientific Laboratory Division
700 Camino de Salud, NE
P.O. Box 4700

Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

COLLECTION		LOCATION					
On: 8/27/2008	By: BALL, JUSTIN	Facility: BLUEWATER URANIUM MILL CERCLIS ID NMD007106891					
At: 10:21	In/Near: Milan	BWSI-29					
		The state of the s					

Analytical Results							1412
CAS No.	Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	7.5	1.4	2.6	pCi/L	Crowell	900
12587-46-1	Gross Alpha w/ U-nat Reference	8.6	1.6	2.9	pCi/L	Crowell	900
12587-47-2	Gross Beta w/ Cs-137 Reference	16.0	2.4	4.4	pCi/L	Crowell	900
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	15.8	2.4	4.3	pCi/L	Crowell	900
07440-61-1	Uranium, Mass Concentration	8.	0.8	1.0	ug/L	Patel	200.8
13982-63-3	Radium-226, SDWA Method	0.25	0.02	0.01	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.22	0.09	0.13	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".



Reviewed By:

Nidal Jadalla

10/23/2008

NEW MENICO DEPART	MENT OF HEALTH	CUENI	CTDV BUDEAU		ANALYTICAL REQUEST F	ODA UNITEDACTIVE
NEW MEXICO DEPART	MENT OF HEALTH	CHEMISTRY BUREAU Scientific Laboratory Division			ANALTHCAL REQUEST F	
Request D # Here	700 Camino de Salud NE - PO Box 4700 Albuquerque, NM 87196 - 4700			One Form		
	One Form Per Sample	Phone 505 841 2500			Per Sample R	C0800284
LAB USE>>>	DATE STATE	6 55321 (GWB-	remediation sup	perfund)	55000 (DWB - SDWA	·
ONLY 241942		55410 (GWB	pollution preven	ntion)	55420 (DWB - non-re	g. contaminants)
LAB USE - SAMPLE TEMP	ERATURE (deg. C):	55910 (SWQ8	-MS) 3:48		64000 (Individual clie	nt fee-for-service)
SAMPLE PRIORITY: (1, 2, .	3 - call Lab if 1 or 2) 3	55920 (SWQ8	- PSRS)		OTHER (enter 5-digit	user code)
SUBMITTER CODE (3-digit): 541 WSS CODE (XXX	xxxxxx):	SITEIC	O (DWB = 4-digi	it, SWQB = 13-chars):	
FACILITY / WSS NAME:	Bluewater uranium m	nill CERCLIS ID NN	ID007106891			
FACILITY LOCATION (if no	WSS complete boxes):	County: Cibola		City: Milan	State:	NM, or change to: NM
SAMPLING LOCATION:	BW5I-29					
DATE COLLECTED (MM-D	D-YY): 8/27/08	BY:	Last Name:	Be /1		
TIME COLLECTED (HH:MM	124-hr): 10:21		First Name:	Instin		
SAMPLE INFO CONTACT	Phone: 476-377	7 Name	if not collector:	David L. May	erson	
☐ New/Change Address	for Submitter	·····>	Name:	NMED/GWQB/	'SOS	
New/Change Address	for WSS/Client	******	Address:	1190 St. Franci	is Dr. N2300	
Send an additional repo	ort to	>	City:	Santa Fe, NM 1	87502	
FIELD DATA (Non-ci	hlorinated (Chlorinate	d Residual (mg/l):	pH:	Conductiv	vity (uS/cm): Temp	erature (deg. C):
REMARKS Field re	marks:					
SAMPLING X	VMED monitoring	Compliance	Non-complianc	e Split v	with facility Grab sam	ple Composite
DOCUMENTATION	Finished water Raw	water Confirm	nation 🔀 Oti	her Describe:	site characterization	
SAMPLE (Filtered water					Urine (Tissue (Saliv	a C Swipe/Smear
TYPE Other air/liqu						
☐ None	Shipped at < 4C	HCI added to pH	< 2 X HNO3	added to pH < .	2 H2SO4 added to pH < 2	Asc. acid added
PRESERVATION Lab to	acidify NaOH added				NAME OF THE PARTY	,
HM ANALYSES LIST						
OR ANALYSES LIST						
	803 SDWA sequential w	vith Ra-22R 2 gal	(FPA 900 0/90	13 1/904 0 etc	7)	
WC ANALYSES LIST	555 55 TTA Sequential T	101 110 220, 2 gui.	(2177 300.07 30	75.1750 1.07 CTC		
ADDITIONAL ANALYSES						
FOR Field preservation	on confirmed Prese	erved to pH > 12 at L	ab Presei	rved to pH < 2 a	it Lab Date/Initial: 27A	was los
USE Lab Remarks:	1	, , , , , , , , , , , , , , , , , , ,	$\overline{}$		Dateman 2/11	ugo8/Tit
USE Edo Hernarks.	. / DI.	ease use CHAIN OF	CUSTODY FOR	M when require	ements mandate	
	72/ /				s) and this form by Request I	241942
We, the undersigned, certif	y that on C/J JU Gat Date	<u>フ・/)</u> the samp <i>Time</i>	le identified on	the container(s) and this form by Request I	D number 11 1/
was transferred with evide	ntiany sealls) (check applic	able box) (Not I	resent (P	resent & Intact	C Present & Damaged	
Released by:		&	Received by:	Mil	i Balk	425
-030	Signature		Transfer If Applic	able	Signature 2	
We the understand sortif	U that on 2*		T.000		s) and this form by Request I	D number
	Date	Time				D Humber
was transferred with evide	ntiary seal(s) (check applic	able box) (`Not F	resent (Pr	esent & Intact	(* Present & Damaged	
Released by:			Received by:			
Print Form	Signature	Form last n	andified on 03/1	17/08	Sianature	Reset Form

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

November 3, 2008

Request ID No. 2419419 **ANALYTICAL REPORT**

SLD Accession No. RC-2008-0282

Distribution

(x) User 55321

(x) 0361 330E1

(x) Submitter 541 . Client 0-0

(x) SLD Files

To: NMED GWQ Bureau Abatement and Asse P.O. Box 26110

Santa Fe, NM 87502

Submitter: NMED - Ground Water Pollution Prevention S

P.O. Box 26110

Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section
Scientific Laboratory Division
700 Camino de Salud, NE

P.O. Box 4700

Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

	COLLECTION	LOCATION				
On: 8/27/2008	By: MAYERSON, DAVID	Facility:	BLUEWATER URANIUM MILL CERCLIS ID NMD00	07106891		
At: 10:56	In/Near: Milan		BWSI-30	.0		
		MAN COLLIN		977		

Analytical Results						11/201	
CAS No.	Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	13.6	1.7	2.6	pCi/L	Crowell	900
12587-46-1	Gross Alpha w/ U-nat Reference	15.6	1.9	2.9	pCi/L	Crowell	900
12587-47-2	Gross Beta w/ Cs-137 Reference	12.5	2.4	4.4	pCi/L	Crowell	900
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	12.3	2.3	4.3	pCi/L	Crowell	900
07440-61-1	Uranium, Mass Concentration	15.	1.5	1.0	ug/L	Patel	200.8
13982-63-3	Radium-226, SDWA Method	0.04	10.0	0.01	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.28	0.10	0.15	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By: 27

Nidal Jadalla

11/3/2008

NEW MEXICO DEPARTMENT OF HEALTH		NALYTICAL REQUEST FORM (INTERACTIVE)
Request ID # Here	Scientific Laboratory Division 700 Camino de Salud NE - PO Box 4700	Lah Accordence
One Form Per Sample	Albuquerque, NM 87196 - 4700 Phone 505 841 2500	One Form Per Sample
DATE	€ 55321 (GWB - remediation superfund)	C 55000 (DWB - SDWA - tee-tor-service)
USE>>>		55420 (DWB - non-reg. contaminants)
ONLY 2419419 STAMP	The state of the s	
LAB USE - SAMPLE TEMPERATURE (deg. C):	55910 (SWQB - MS)	64000 (Individual client fee-for-service)
SAMPLE PRIORITY: (1, 2, 3 - call Lab if 1 or 2) 3	55920 (SWQB - PSRS)	OTHER (enter 5-digit user code)
SUBMITTER CODE (3-digit): 541 WSS CODE (xxx		, SWQB = 13-chars):
	ill CERCLIS ID NMD007106891	
FACILITY LOCATION (if no W55 complete boxes):	County: Cibola City: Milan	State: NM, or change to: NM
SAMPLING LOCATION: $B\omega SI - 30$		
DATE COLLECTED (MM-DD-YY): 8/27/08	BY: Last Name: 9 Mayers	A
TIME COLLECTED (HH:MM 24-hr): 10:56	First Name: Davis	J
SAMPLE INFO CONTACT Phone: 476-377	7 Name if not collector: David L. Maye	rson
New/Change Address for Submitter	Name: NMED/GWQB/S	sos
New/Change Address for WSS/Client	Address: 1190 St. Francis	Dr. N2300
Send an additional report to	> City: Santa Fe, NM 8	7502
FIELD DATA (Non-chlorinated Chlorinate	d Residual (mg/l): pH: Conductivi	ity (uS/cm): Temperature (deg. C):
REMARKS Field remarks:		
SAMPLING X NMED monitoring	Compliance Non-compliance Split w	ith facility Grab sample Composite
	water Confirmation X Other Describe:	ite characterization
	C Soil/Sediment C Sludge C Blood C U	
TYPE Other air/liquid/solid Describe:		
None Shipped at < 4 C	HCl added to pH < 2 ▼ HNO added to pH < 2	☐ H2SO4 added to pH < 2 ☐ Asc. acid added
PRESERVATION Lab to acidify NaOH added		
HM ANALYSES LIST		
OR ANALYSES LIST		
RC ANALYSES LIST 803 SDWA sequential w	ith Ra-228, 2 gal. (EPA 900.0/903.1/904.0, etc.)
WC ANALYSES LIST		
ADDITIONAL ANALYSES		
	rved to pH > 12 at Lab \bigvee Preserved to pH < 2 at	Lab Date/Initial: 1939 - S. La S
USE Lab Remarks:		Lab Date/Initial: 127 Rug 08/JLE
N. A. C.	CHAIN OF CUSTODY FORM when require	monts mandate
	rase use CHAIN OF CUSTODY FORM when require	20 PF 30
.7 //	5:2) the sample identified on the container(s)	and this form by Request ID number 2415-416
was transferred with evidentiary seal(s) (check applica		(Present & Pamaged
Released by:	& Received by:	Miller
Signature		Signature
<i>[</i>	Additional Transfer If Applicable	
We, the undersigned, certify that onat	the sample identified on the container(s)	and this form by Request ID number
was transferred with evidentiary seal(s) (check applications		(Present & Damaged
Released by:	& Received by:	
Signature	7,	Sianature
Print Form	Form last modified on 03/17/09	Reset Form

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

July 20, 2009

Request ID No. 2424881 ANALYTICAL REPORT

SLD Accession No. RC-2009-0061

Distribution

(x) User 55321

(x) Submitter 541 . Client 0-0

(x) SLD Files

To: NMED GWQ Bureau Abatement and Asse

P.O. Box 5469

Santa Fe, NM 87502

Submitter: NMED - Ground Water Pollution Prevention S

P.O. Box 5469

Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on April 03, 2009

Client:

JUL 24 75 9

ВТ:----

SLD: Radiochemistry Section Scientific Laboratory Division 700 Camino de Salud, NE P.O. Box 4700

Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

-	COLLECTION	IOGNAFI	IIIO DE	NIA.		***************************************	
				LOCATION			
On: 4/1/2009	By: EARLE DIXON	Facility: SAN MATEO CREEK BASIN SITE INVESTIGATION SMC-32					
At: 13:22	In/Near: Milan						
	An	alytical F	Results	3		W) W	
CAS No.	Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	56.0	4.4	1.5	pCi/L	Crowell	SM 7110 B

CAS No.	Analyte	<u>Value</u>	<u>Sigma</u>	D. Lmt.	<u>Units</u>	Analyst	Method	
12587-46-	Gross Alpha w/ Am-241 Reference	56.0	4.4	1.5	pCi/L	Crowell	SM 7110 B	
12587-46-	Gross Alpha w/ U-nat Reference	72.6	5.7	1.9	pCi/L	Crowell	SM 7110 B	
12587-47-	2 Gross Beta w/ Cs-137 Reference	53.2	4.4	2.3	pCi/L	Crowell	SM 7110 B	
12587-47-	2 Gross Beta w/ Sr/Y-90 Reference	50.3	4.1	2.1	pCi/L	Crowell	SM 7110 B	l
07440-61-	I Uranium, Mass Concentration	100.	10.	5.0	ug/L	Patel	200.8	
13982-63-	Radium-226, SDWA Method	2.90	0.09	0.01	pCi/L	Valdez	903.1	Ì
15262-20-	Radium-228, SDWA Method	3.91	0.40	0.16	pCi/L	Ewing	904.0	

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported, or "less than twice the standard deviation".

Reviewed By:

Nidal Jadalla

7/20/2009

ANALYTICAL REQUEST FORM (INTERACTIVE) **CHEMISTRY BUREAU** Scientific Laboratory Division 700 Camino de Salud NE - PO Box 4700 One Form 2424881 32 One Form Albuquerque, NM 87196 - 4700 Per Sample Per Sample RC0900061 Phone 505 841 2500 DATE 6 55321 (GWB - remediation superfund) USE>>> 09 AFR - 3 Pr. 12: 58 55000 (DWB - SDWA - fee-for-service) <<<TIME ← 55410 (GWB - pollution prevention) 55420 (DWB - non-reg. contaminants) ONLY LAB USE - SAMPLE TEMPERATURE (deg. C): 64000 (Individual client fee-for-service) 55910 (SWQB - MS) 55920 (SWQB - PSRS) OTHER (enter 5-digit user code) SAMPLE PRIORITY: (1, 2, 3 - call Lab if 1 or 2) 3 SUBMITTER CODE (3-digit): 541 WSS ID (xxnnnnnnnn): **FACILITY ID:** SITE ID: FACILITY / WSS NAME: San Mateo Creek Basin Site Investigation FACILITY LOCATION (if no WSS complete boxes): State: NM, or change to: NM County: McKinley/Ciloo a City: SAMPLING LOCATION: SMC-32 DATE COLLECTED (MM-DD-YY): BY (First Last) Name: EARLF DIXON TIME COLLECTED (HH:MM 24-hr): Sampler ID # SAMPLE INFO CONTACT Phone: 476-3777 Name if not collector: David L. Mayerson New / Change Address for Submitter -----> Name: New/Change Address for WSS/Client ----> Address: 1190 St. Francis Dr. N2300 Send an additional report to ----> City: Santa Fe, NM 87502 FIELD DATA Non-chlorinated Chlorinated Residual (mg/l): Conductivity (u5/cm): Temperature (deg. C): AND Field remarks: REMARKS MMED monitoring Compliance Non-compliance Split with facility Grab sample Composite SAMPLING DOCUMENTATION Finished water Raw water Confirmation Other Describe: SAMPLE (Filtered water (Non-filtered water (Soil/Sediment (Sludge (Blood (Urine (Tissue (Saliva C Other air/liquid/solid Describe: PRESERVATION None Shipped at < 4 C HCl added to pH < 2 HNO3 added to pH < 2 HzSO4 added to pH < 2 Asc. acid added □ Lab to acidify NaOH added to pH > 12 Other Describe: lab to acidify HM ANALYSES LIST OR ANALYSES LIST RC ANALYSES LIST 803 SDWA seguential with Ra-228, 2 gal. (EPA 900.0/903.1/904.0, etc.) WC ANALYSES LIST **ADDITIONAL ANALYSES** FOR Field preservation confirmed Preserved to pH > 12 at Lab Preserved to pH < 2 at Lab Date/Initial: LAB **USE** Lab Remarks: Please use CHAIN OF CUSTODY FORM when requirements mandate We, the undersigned, certify that on_ the sample identified on the container(s) and this form by Request ID number ____ was transferred with evidentiary seal(s) (check applicable box) (Not Present @ Present & Intact (Present & Damaged Released by: ____ ____& Received by: ____ Signature **Additional Transfer If Applicable** We, the undersigned, certify that on_ ____ the sample identified on the container(s) and this form by Request ID number ___ Date was transferred with evidentiary seal(s) (check applicable box) (Not Present & Intact (Present & Damaged Released by: __ _ & Received by: __ Sianature Print Form Reset Form

Form last modified on 12/23/08

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

December 3, 2008

Request ID No. 2419435

ANALYTICAL REPORT SLD Accession No. RC-2008-0338 Distribution

(x) User 55321

(x) Submitter 541

. Client -

(x) SLD Files

To: NMED GWQ Bureau Abatement and Asse P.O. Box 26110

Santa Fe, NM 87502

Submitter: NMED - Ground Water Pollution Prevention S

P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on September 17, 2008

Client:

SLD: Radiochemistry Section **Scientific Laboratory Division** 700 Camino de Salud, NE P.O. Box 4700

Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

COLLECTION LOCATION By: MAYERSON, DAVID On: 9/16/2008 Facility: BLUEWATER URANIUM MILL CERCLIS ID NMD007106891 At: 13:56 In/Near: Milan BWSI-33

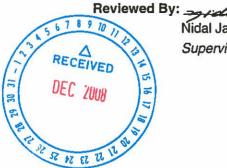
	Analytical Results							
CAS No.	Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method	
12587-46-1	Gross Alpha w/ Am-241 Reference	12.1	1.3	1.4	pCi/L	Crowell	SM 7110 B	
12587-46-1	Gross Alpha w/ U-nat Reference	15.5	1.7	1.9	pCi/L	Crowell	SM 7110 B	
12587-47-2	Gross Beta w/ Cs-137 Reference	14.4	1.7	2.3	pCi/L	Crowell	SM 7110 B	
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	13.8	1.6	2.3	pCi/L	Crowell	SM 7110 B	
07440-61-1	Uranium, Mass Concentration	22.	2.2	1.0	ug/L	Patel	200.8	
13982-63-3	Radium-226, SDWA Method	0.20	0.02	0.01	pCi/L	Valdez	903.1	
15262-20-1	Radium-228, SDWA Method	0.12	0.10	0.16	pCi/L	Ewing	904.0	

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Nidal Jadalla

12/3/2008



NEW MEXICO DEPARTMENT OF HEALTH CHEMISTRY BUREAU ANALYTICAL REQUEST FORM (INTERACTIVE
Scientific Laboratory Division 700 Camino de Salud NE - PO Box 4700
One Form Albuquerque, NM 87196 - 4700 One Form Maria M
2419435 I
USE>>> 08 SEP 17 PII 1: 55110 (GWB - pollution prevention) (55000 (DWB - SDWA - fee-for-service) (STAMP) (SWB - pollution prevention) (55420 (DWB - non-reg. contaminants)
LAB USE - SAMPLE TEMPERATURE (deg. C): 10 (SWQ8 - MS) (64000 (Individual client fee-for-service)
SAMPLE PRIORITY: (1, 2, 3 - call Lab if 1 or 2) 3
SUBMITTER CODE (3-digit): 541 WSS CODE (xxxxxxxxx): SITE ID (DWB = 4-digit, SWQB = 13-chars):
FACILITY / WSS NAME: Bluewater uranium mill CERCLIS ID NMD007106891
FACILITY LOCATION (if no WSS complete boxes): County: Cibola City: Milan State: NM, or change to: NM
SAMPLING LOCATION: RWSI-33
DATE COLLECTED (MM-DD-YY): 69/16/2003 BY: Last Name: Wayerson
TIME COLLECTED (HH:MM 24-hr): 1356 First Name: David
SAMPLE INFO CONTACT Phone: 476-3777 Name if not collector: David L. Mayerson
New / Change Address for Submitter> Name: NMED/GWQB/SOS
New / Change Address for WSS / Client
Send an additional report to> City: Santa Fe, NM 87502
FIELD DATA (Non-chlorinated Chlorinated Residual (mg/l): pH: Conductivity (uS/cm): Temperature (deg. C):
REMARKS Field remarks:
SAMPLING NMED monitoring Compliance Non-compliance Split with facility Grab sample Composite DOCUMENTATION Finished water Raw water Confirmation Non-compliance Split with facility Grab sample Composite Non-compliance Describe: Site characterization
SAMPLE (Filtered water (6 Non-filtered water (Soil/Sediment (Sludge (Blood (Urine (Tissue (Saliva (Swipe/Smear
TYPE Other air/liquid/solid Describe:
PRESERVATION None Stripped at < 4 C HCl added to pH < 2 HNO3 added to pH < 2 H25O4 added to pH < 2 Asc. acid added
Lab to acidify NaOH added to pH > 12 Other Describe:
HM ANALYSES LIST
OR ANALYSES LIST
RC ANALYSES LIST 803 SDWA sequential with Ra-228, 2 gal. (EPA 900.0/903.1/904.0, etc.)
WC ANALYSES LIST
ADDITIONAL ANALYSES
FOR Field preservation confirmed Preserved to pH > 12 at Lab Preserved to pH < 2 at Lab Date/Initial: 175-908 606
USE Lab Remarks:
Please use CHAIN OF CUSTODY FORM when requirements mandate
We, the undersigned, certify that on $\frac{3/17/05}{Date}$ at 1:59 PM the sample identified on the container(s) and this form by Request ID number $\frac{24/19435}{Time}$
was transfer ed with evidentiary seal(s) (check applicable box) (Not Present & Intact (Present & Damaged
Released by: & Received by:
Signature Signature Additional Transfer If Applicable
We, the undersigned, certify that onatthe sample identified on the container(s) and this form by Request ID number
Date Time was transferred with evidentiary seal(s) (check applicable box) Not Present Present & Intact Present & Damaged
Released by: & Received by:
Signature Signature Print Form Signature Reset Form

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

October 23, 2008

Request ID No. 2419420

ANALYTICAL REPORT SLD Accession No. RC-2008-0283

Distribution

(x) User 55321

(x) Submitter 541 . Client 0-0

(x) SLD Files

To: NMED GWQ Bureau Abatement and Asse P.O. Box 26110

Santa Fe, NM 87502

Submitter: NMED - Ground Water Pollution Prevention S

P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section Scientific Laboratory Division 700 Camino de Salud, NE P.O. Box 4700

Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

COLLECTION			LOCATION					
On: 8/27/2008	By: BALL, JUSTIN	Facility:	BLUEWATER URANIUM MILL CERCLIS ID NMD007106891					
At: 11:43	In/Near: Milan		BWSI-34	1				
AU 11:43	in/Near: imilan		D4/21-24					

Analytical Results							
CAS No.	Analyte	<u>Value</u>	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	22.8	1.8	1.4	pCi/L	Crowell	900
12587-46-1	Gross Alpha w/ U-nat Reference	27.1	2.1	1.7	pCi/L	Crowell	900
12587-47-2	Gross Beta w/ Cs-137 Reference	15.9	1.8	2.3	pCi/L	Crowell	900
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	15.6	1.7	2.2	pCi/L	Crowell	900
07440-61-1	Uranium, Mass Concentration	52.	5.2	2.0	ug/L	Patel	200.8
13982-63-3	Radium-226, SDWA Method	0.05	0.01	0.01	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.08	0.10	0.14	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

> RECEIVED OCT ZUUB

Reviewed By:

Nidal Jadalla

10/23/2008

Request ID # Here LAB USE>:	CO DEPARTMENT OF HEALTH equest ID # Here One Form Per Sample AB DATE SE>: MAIN AND STAMP		Scientific Laboratory Division 700 Camino de Salud NE - PO Box 4700 Albuquerque, NM 87196 - 4700 Phone 505 841 2500 55321 (GWB - remediation superfund) 55410 (GWB - pollution prevention)			vision 9 Box 4700 - 4700) perfund)	ANAI	One Form Per Sample RC0800283 55000 (DWB - SDWA - fee for-service) 55420 (DWB - non-reg. contaminants)
LAB USE - SAMPLE TEMP	ERATURE (deg	g.C): [[C 559	10 (SWQB - I	M5)	11 0.40	C	64000 (Individual client fee-for-service)
SAMPLE PRIORITY: (1, 2,	3 - call Lab if 1	or 2) 3	C 559	20 (SWQB -	PSRS)		(OTHER (enter 5-digit user code)
SUBMITTER CODE (3-digi	t): 54/ WS	S CODE (xxx)	(xxxxx):		SITE	D (DWB = 4-dig	it, SW(QB = 13-chars):
FACILITY / WSS NAME:	Bluewater	uranium m	ill CERC	LIS ID NMD	007106891			
FACILITY LOCATION (if n	o WSS complete	e boxes):	County	Cibola		City: Milan		State: NM, or change to: NM
SAMPLING LOCATION:	BUSI	-34						
DATE COLLECTED (MM-E	D-YY): 8/	27/08		BY:	Last Name:	134/1		
TIME COLLECTED (HH:MI		1:43			First Name:	-	V	
SAMPLE INFO CONTACT	Phone:	476-377	7	Name if	not collector:	David L. May		1
New/Change Address	for Submitter -	*******	>		Name:	NMED/GWQB/	/SOS	
☐ New/Change Address	for WSS/Clien	nt	>		Address:	1190 St. Franc	is Dr. I	N2300
Send an additional rep	ort to		>		City:	Santa Fe, NM	87502	2
	hlorinated (Chlorinated	d Residu	ıal (mg/l):	pH:	Conducti	vity (u.	S/cm): Temperature (deg. C):
REMARKS Field re	emarks:	AAA F	1					
DOCUMENTATION SAMPLE Filtered water TYPE Other air/liq	er 🌀 Non-fil uid/solid D	Raw letered water lescribe:	C Soil/	Confirma Sediment (Sludge (her Describe: Blood (site c Urine	haracterization
HM ANALYSES LIST	o detaily		10 p.,	- ,	. Describe.			
OR ANALYSES LIST								4414
	202.50444		'al- D- 2	20. 2 1 /5	DA 000 0/00	2 1 /004 0	. 1	
RC ANALYSES LIST	803 SDWA SE	equential w	itn ka-2	28, 2 gai. (E	PA 900.0/90)3.1/904.0, etc	c.)	
WC ANALYSES LIST								
FOR Field preservati LAB USE Lab Remarks:	on confirmed	Presen	rved to pl	d > 12 at Lab	Prese	rved to pH < 2 a	at Lab	Date/Initial: 27 Mug.08/TE
We, the undersigned celti	fy that on 8/2	7/02 at /	5135			the container		s mandate I this form by Request ID number 24/54/2
was transferred with evide	entary eal(s) (Time (ble box)		ceived by:	/X -		0/ 10
	Sig	nature	3.		ansfer If Appli			Signature ./
We, the undersigned, certi	/ fy that on	at				3#1	s) and	this form by Request ID number
was transferred with evide	Da	te	Time	170				
Released by:	y 2cai(3) (i					eseri a milet		
Print Form	Sia	nature						Signature

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

December 19, 2008

Request ID No. 2419425 ANALYTICAL REPORT

SLD Accession No. RC-2008-0310

Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED GWQ Bureau Abatement and Asse P.O. Box 26110

Santa Fe, NM 87502

Submitter: NMED - Ground Water Pollution Prevention S

P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 29, 2008

Client:

SLD: Radiochemistry Section
Scientific Laboratory Division
700 Camino de Salud, NE
P.O. Box 4700

Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

	COLLECTION	LOCATION		
On: 8/27/2008 At: 14:19	By: BALL, JUSTIN In/Near: Milan	Facility:	BLUEWATER URANIUM MILL CERCLIS ID NMD007106891 BWSI-35	- 1
				7

	Analytical Results								
CAS No.	Analyte	Value	Sigma	D. Lmt.	<u>Units</u>	Analyst	Method		
12587-46-1	Gross Alpha w/ Am-241 Reference	3.0	0.8	1.5	pCi/L	Crowell	SM 7110 B		
12587-46-1	Gross Alpha w/ U-nat Reference	4.4	1.2	2.2	pCi/L	Crowell	SM 7110 B		
12587-47-2	Gross Beta w/ Cs-137 Reference	0.4	1.2	2.5	pCi/L	Crowell	SM 7110 B		
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	0.4	1.2	2.3	pCi/L	Crowell	SM 7110 B		
13982-63-3	Radium-226, SDWA Method	0.19	0.03	0.02	pCi/L	Valdez	903.1		
15262-20-1	Radium-228, SDWA Method	0.16	0.11	0.14	pCi/L	Ewing	904.0		

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lrnt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

Nidal Jadalla

12/19/2008

NEW MEXICO DEPART	MENT OF HEALTH	CHEMISTRY BUREAU	ANALYTICAL REQUEST FORM (INTERACTIV
Request ID # Here		Scientific Laboratory Division 700 Camino de Salud NE - PO Box 4700	Lab Accession # Her
	One Form Por Sample	Albuquerque, NM 87196 - 4700 Phone 505 841 2500	One Form Per Sample
LAB	DATE SSSTIME	(55321 (GWB - remediation superfund)	C 55000 (DWB-SL RC0800310
ONLY 241942	5 STAMP	55410 (GWB - pollution prevention)	55420 (DWB - non-reg, cantaminants)
LAB USE - SAMPLE TEMP	PERATURE (deg. C):	55910 (SWQB - MS)	64000 (Individual client fee-for-service)
SAMPLE PRIORITY: (1, 2,	3 - call Lab if 1 or 2) 3	C 55920 (SWQB - PSRS)	OTHER (enter 5-digit user code)
SUBMITTER CODE (3-dig	it): 54/ WSS CODE (xx)	(XXXXXXX): SITE ID (DWB = 4-dia	igit, SWQB = 13-chars):
FACILITY / WSS NAME:	Bluewater uranium n	nill CERCLIS ID NMD007106891	
FACILITY LOCATION (if n	o WSS complete boxes):	County: Cibola City: Milan	State: NM, or change to: NN
SAMPLING LOCATION:	BWST-35		
DATE COLLECTED (MM-E	DD-YY): 08/27/0	8 BY: Last Name: Bull	
TIME COLLECTED (HH:MI		First Name: Just	(1)
SAMPLE INFO CONTACT	Phone: 476-37	77 Name if not collector: David L. Ma	yerson
	for Submitter	> Name: NMED/GWQI	B/SOS
☐ New/Change Address	for WSS/Client	> Address: 1190 St. Fran	ncis Dr. N2300
Send an additional rep	ort to	> City: Santa Fe, NM	1 87502
	chlorinated (Chlorinate	ed Residual (mg/l): pH: Conduc	tivity (uS/cm): Temperature (deg. C):
AND REMARKS Field r	emarks:		
TYPE Other air/liq	uid/solid Describe: Shipped at < 4 C	Soil/Sediment Sludge Blood HCl added to pH < 2 THNO3 added to pH do pH > 12 Other Describe:	
HM ANALYSES LIST	1	ottopin iz otto Describe.	
OR ANALYSES LIST			
	803 SDWA sequential v	vith Ra-228, 2 gal. (EPA 900.0/903.1/904.0, e	ste)
WC ANALYSES LIST	003 3DWA sequential V	viti na-220, 2 gai. (Er A 900.0/903.1/904.0, e	(C.)
ADDITIONAL ANALYSES		*	
FOR Field preservati	on confirmed Presi	erved to pH > 12 at Lab Preserved to pH < 2	Cat Lab Date/Initial: All ALIA OF har
USE Lab Remarks:		,	ad ulig 18 171C
	PI	ease use CHAIN OF CUSTODY FORM when requi	irements mandate
We, the undersigned, certi	fy that on <u>3/29/05</u> at _		r(s) and this form by Request ID number <u>29174</u>
was transferred with evide	ntiary seal(s) (check applic	Time able box) (Not Present Present & Intac	ct (Present & Damaged _
Released by:		& Received by:	32 C
/	Signature	Additional Transfer If Applicable	Signature
/ We, the undersigned, certi	fy that on at	the sample identified on the container	r/s) and this form by Request ID number
	Date	Time able box) (Not Present (Present & Intact	
Released by:		& Received by:	
	Signature	a neceived by.	Signature
Print Form		Form last modified on 03/17/08	Reset Form

Department of Health

SCIENTIFIC LABORATORY DIVISION

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION (505)-841-2574

November 21, 2008

Request ID No. 2419429

ANALYTICAL REPORT

SLD Accession No. RC-2008-0315

Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED GWQ Bureau Abatement and Asse P.O. Box 26110

Santa Fe, NM 87502

Submitter: NMED - Ground Water Pollution Prevention S

P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 29, 2008

Client:

SLD: Radiochemistry Section **Scientific Laboratory Division** 700 Camino de Salud, NE P.O. Box 4700 Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

COLLECTION LOCATION On: 8/28/2008 By: BALL, JUSTIN Facility: **BLUEWATER URANIUM MILL CERCLIS ID NMD007106891** At: 9:00 In/Near: Milan **BWSI-38**

	Analytical Results						
CAS No.	Analyte	<u>Value</u>	<u>Sigma</u>	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	-0.5	0.3	0.7	pCi/L	Crowell	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	-0.4	0.3	0.7	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	-0.1	0.5	0.9	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	-0.1	0.5	1.0	pCi/L	Crowell	SM 7110 B
15262-20-1	Radium-228, SDWA Method	0.32	0.11	0.15	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By: _

Nidal Jadalla

11/20/2008

NEW MEXICO DEPART	MENT OF HEALTH	CHEMISTRY BUREAU Scientific Laboratory Division	ANALYTICAL REQUEST FORM (INTERACTIVE)
2419429	One Form Per Sample	700 Camino de Salud NE - PO Box 4700 Albuquerque, NM 87196 - 4700 Phone 505 841 2500	One Form Per Sample RC0800315
LAB	DATE << <time< td=""><td>6 55321 (GWB - remediation superfund)</td><td>C 55000 (DWB - SDWA - fee-for-service)</td></time<>	6 55321 (GWB - remediation superfund)	C 55000 (DWB - SDWA - fee-for-service)
ONLY 08 AUS 2 J. A	111:52 STAMP	55410 (GWB - pollution prevention)	55420 (DWB - non-reg. contaminants)
LAB USE - SAMPLE TEMPI	ERATURE (deg. C):	55910 (SWQB-MS)	64000 (Individual client fee-for-service)
SAMPLE PRIORITY: (1, 2, 3	3 - call Lab if 1 or 2) 3	55920 (SWQB - PSRS)	OTHER (enter 5-digit user code)
SUBMITTER CODE (3-digit	541 WSS CODE (XXX	xxxxxxx): SITE ID (DWB = 4-dig	git, SWQB = 13-chars):
FACILITY / WSS NAME:	Bluewater uranium m	nill CERCLIS ID NMD007106891	
FACILITY LOCATION (if no	WSS complete boxes):	County: Cibola City: Milan	State: NM, or change to: NM
SAMPLING LOCATION:	BWSI - 36		
DATE COLLECTED (MM-D	D-YY): 08/28/0	8 BY: Last Name: Ball	
TIME COLLECTED (HH:MM		First Name: Tustin	,
SAMPLE INFO CONTACT			
☐ New/Change Address	for Submitter	> Name: NMED/GWQE	B/SOS
☐ New / Change Address	for WSS/Client	> Address: 1190 St. Fran	cis Dr. N2300
Send an additional rep	ort to	> City: Santa Fe, NM	87502
FIELD DATA AND REMARKS Field re	hlorinated Chlorinate	d Residual (mg/l): pH: Conduct	tivity (uS/cm): Temperature (deg. C):
SAMPLING X	NMED monitoring	Compliance Non-compliance Spli	t with facility Grab sample Composite
SAMPLE Filtered water	Non-filtered water	C Soil/Sediment C Sludge C Blood C	Urine C Tissue C Saliva C Swipe/Smear
TYPE Other air/liqu	iid/solid Describe:		
PRESERVATION None		HCl added to pH < 2 HNO3 added to pH < d	< 2 H2SO4 added to pH < 2 Asc. acid added
HM ANALYSES LIST			
OR ANALYSES LIST		49 and 40	
RC ANALYSES LIST	803 SDWA sequential w	vith Ra-228, 2 gal. (EPA 900.0/903.1/904.0, e	tc.)
WC ANALYSES LIST			
ADDITIONAL ANALYSES			
FOR Field preservati	on confirmed Prese	erved to pH > 12 at Lab Preserved to pH < 2	at Lab Date/Initial: 29 aug CEMC
USE Lab Remarks:			
	Pl	ease use CHAIN OF CUSTODY FORM when requi	irements mandate
We, the undersigned, certi	fy that on 8/29/03 at _	11.52 the sample identified on the container	r(s) and this form by Request ID number 24 1943
was transferred with evide	entiary seal(\$) (check applic	rable box) (Not Present & Present & Intac	t (Present & Damaged _
Released by: 10/10/16	12.81	& Received by: \$	R C
Je l	Signature	Additional Transfer If Applicable	Signature
We, the undersigned, certi	fy that onat _	the sample identified on the container	r(s) and this form by Request ID number
	Date	Time rable box) (Not Present (Present & Intact	(Present & Damaged
Released by:		& Received by:	
Print Form	Signature	Form last modified on 03/17/08	Signature Reset Form

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud, NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

November 21, 2008

Request ID No. 2419413 ANALYTICAL REPORT

SLD Accession No. RC-2008-0294

Distribution

(x) User 55321

(x) Submitter 541

. Client 0-0

(x) SLD Files

To: NMED - Ground Water Pollution Preventio P.O. Box 26110 Santa Fe, NM 87502 User: NMED GWQ Bureau Abatement and Assessm P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section Scientific Laboratory Division 700 Camino de Salud, NE P.O. Box 4700 Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

	COLLECTION		LOCATION					
On: 8/26/2008	Ву: ,	Facility:	Facility: BLUEWATER URANIUM MILL CERCLIS ID NMD007106891					
At: 12:44	In/Near: Milan		BWSI-39					

	Ana	alytical F	Results				
CAS No.	Analyte	Value	Sigma	D. Lmt.	<u>Units</u>	Analyst _	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	2.5	0.8	1.6	pCi/L	Crowell	SM 7110 B
12587-46-1	Gross Alpha w/ U-nat Reference	2.8	0.9	1.9	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Cs-137 Reference	16.0	1.4	2.0	pCi/L	Crowell	SM 7110 B
12587-47-2	Gross Beta w/ Sr/Y-90 Reference	15.8	1.4	2.0	pCi/L	Crowell	SM 7110 B
13982-63-3	Radium-226, SDWA Method	0.21	0.02	0.01	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.46	0.11	0.15	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

Nidal Jadallá

11/17/2008



NEW MEXICO DEPART	MENT OF HEALTH	Scientific l	ISTRY BUREA	ision/	IALYTICAL REQ	UEST FORM (INTERACTIVE
	One Form Per Sample		Salud NE - PC ue, NM 87196 e 505 841 2500	- 4700	One Form Per Sample	RC0800294
LAB USE>>:	DA'	10 000-110-10	- remediation su	perfund)	C 55000 (DWB-	SDWA - fee-for-service)
ONLY 241941	3 STAI	P C .55410 (GWB	- pollution preve	ention)	C 55420 (DWB -	non-reg. contaminants)
LAB USE - SAMPLE TEMP	PERATURE (deg. C):	55910 (SWQ			C 64000 (Individ	dual client fee-for-service)
SAMPLE PRIORITY: (1, 2,	3 - call Lab if 1 or 2) 3	55920 (SWQ)	B - PSRS)		OTHER (enter	5-digit user code)
SUBMITTER CODE (3-dig.	it): 54/ WSS CODE	xxxxxxxxx):	SITE	D (DWB = 4-digit, S	WQB = 13-chars):	
FACILITY / WSS NAME:	Bluewater uraniur	mill CERCLIS ID NA	AD007106891			
FACILITY LOCATION (if n	o WSS complete boxes):	County: Cibola		City: Milan		State: NM, or change to: NM
SAMPLING LOCATION:	BW5I-3	9	W			
DATE COLLECTED (MM-E	DD-YY): 8/26/0	g BY:	Last Name:	-		
TIME COLLECTED (HH:MI	STATE OF THE PROPERTY OF THE P		First Name:			
SAMPLE INFO CONTACT	Phone: 476-	3777 Name	e if not collector:	David L. Mayers	ion	
☐ New/Change Address	for Submitter	>	Name:	NMED/GWQB/SO	S	
☐ New/Change Address	for WSS/Client	>	Address:	1190 St. Francis D)r. N2300	
Send an additional rep	oort to	>>	City:	Santa Fe, NM 875	502	
AND	thlorinated (Chlorin emarks:	ated Residual (mg/l):	pH:	Conductivity	(u\$/cm);_	Temperature (deg. C):
DOCUMENTATION	Finished water	aw water Confir		ther Describe: site	e characterizatio	
SAMPLE Filtered water TYPE Other air/liq	er © Non-filtered wa uid/solid Describe:	er (Soil/Sediment	C Sludge C	Blood (Urir	ne (Tissue (Saliva (Swipe/Smear
PRESERVATION '	Shipped at < 4 Co		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		H₂SO+added te	opH < 2 Asc. acid added
HM ANALYSES LIST						
OR ANALYSES LIST						
RC ANALYSES LIST	803 SDWA sequentia	l with Ra-228, 2 gal.	(EPA 900.0/90	03.1/904.0, etc.)		
WC ANALYSES LIST			W Tanidik de la mari de William en See de estada	rrender de Saine-man foarskeleit út Skrifte Stade op de Austria de Stade foar		
ADDITIONAL ANALYSES						
FOR Field preservati	on confirmed P	reserved to pH > 12 at a	Lab Prese	rved to pH < 2 at La	ab Date/Initial:	2710408/172
USE Lab Remarks:	39			······································		7.07
We the undersigned cert	fy that on 8 /27/08.	Please use CHAIN OF				equest ID number 24 1941
1 1	/ Date	lime				
was transferred with evid Released by:	intiary seal(s) (check ap		Received by:	/1/	Present & Dami	Mesos
	Signature				Signatu	re of
We, the undersigned, certi	We, the undersigned, certify that onatthe sample identified on the container(s) and this form by Request ID number					
was transferred with evide	Date entiary seal(s) (check ap	Time plicable box) (Not a	Present (Pi	resent & Intact (Present & Damo	aged
Released by:	Sianature		Received by: _		Sianatui	ra
Drint Corm	- MINIOTE			4 00 14 A		Rocat Form

P.O. Box 4700 Albuquerque, NM 87196 700 Camino de Salud. NE [505]-841-2500

RADIOCHEMISTRY SECTION [505]-841-2574

October 24, 2008

Request ID No. 2419418 ANALYTICAL REPORT
SLD Accession No. RC-2008-0281

Distribution

(x) User 55321

(x) Submitter 541

.Client 0-0

(x) SLD Files

To: NMED GWQ Bureau Abatement and Asse P.O. Box 26110

Santa Fe, NM 87502

Submitter: NMED - Ground Water Pollution Prevention S

P.O. Box 26110 Santa Fe, NM 87502

Re: A(n) 'Water, Non-Filtered' sample submitted to this laboratory on August 27, 2008

Client:

SLD: Radiochemistry Section
Scientific Laboratory Division
700 Camino de Salud, NE
P.O. Box 4700

Albuquerque, NM 87196-4700

DEMOGRAPHIC DATA

COLLECTION

On: 8/27/2008 By: ORTELLI, ANGELO
At: 11:33 In/Near: Milan

LOCATION

LOCATION

EWSI-40

BUSI-40

Analytical Results							
CAS No.	Analyte	<u>Value</u>	<u>Sigma</u>	D. Lmt.	<u>Units</u>	Analyst	Method
12587-46-1	Gross Alpha w/ Am-241 Reference	4.0	0.6	0.9	pCi/L	Crowell	900
12587-46-1	Gross Alpha w/ U-nat Reference	4.6	0.7	1.0	pCi/L	Crowell	900
12587-47-2	Gross Beta w/ Cs-137 Reference	2.7	0.8	1.4	pCi/L	Crowell	900
2587-47-2	Gross Beta w/ Sr/Y-90 Reference	2.6	0.8	1.4	pCi/L	Crowell	900
13982-63-3	Radium-226, SDWA Method	0.19	0.03	0.02	pCi/L	Valdez	903.1
15262-20-1	Radium-228, SDWA Method	0.13	0.09	0.13	pCi/L	Ewing	904.0

Notations & Comments:

Uncertainties, sigmas, are expressed as +- one standard deviation, i.e. one standard error. Small negative or positive values which are less than two(2) standard deviations should be interpreted as: "not detected": as "less than the detection limit (<d.Lmt.)" when reported; or "less than twice the standard deviation".

Reviewed By:

Nidal Jadalla

10/24/2008



NEW MEXICO DEPARTMENT OF HEALTH		NALYTICAL REQUEST FORM (INTERACTIVE)
Request !D # Here	Scientific Laboratory Division 700 Camino de Salud NE - PO Box 4700	t ah Accession # Here
One Form Per Sample	Albuquerque, NM 87196 - 4700 Phone 505 841 2500	One Form Per Sample
LAB DATE	55321 (GWB - remediation superfund)	C 55000 (DWB - SDWA - tee-tor-service)
USE>>> "MANE AND	The second secon	55420 (DWB - non-reg. contaminants)
ONLY 2419418 STAMP	55410 (GWB) poll(ution prevention)	2 AND ALBERTHING REPAIRS 1 Was 2012 FOR DECISION FOR COMMISSION AND AND AND AND AND AND AND AND AND AN
LAB USE - SAMPLE TEMPERATURE (deg. C):	55910 (SWQB - MS)	64000 (Individual client fee-for-service)
SAMPLE PRIORITY: (1, 2, 3 - call Lab if 1 or 2) 3	55920 (SWQB - PSRS)	OTHER (enter 5-digit user code)
SUBMITTER CODE (3-digit): 541 WSS CODE (xxx		SWQB = 13-chars):
	nill CERCLIS ID NMD007106891	
FACILITY LOCATION (if no WSS complete boxes):	County: Cibola City: Milan	State: NM, or change to: NM
SAMPLING LOCATION: BUSI-40		
DATE COLLECTED (MM-DD-YY): 8/27/08	BY: Last Name: Ortell:	
TIME COLLECTED (HH:MM 24-hr): /1:33	First Name: Ame	é
SAMPLE INFO CONTACT Phone: 476-377	7 Name if not collector: David L. Mayer	son
New / Change Address for Submitter	> Name: NMED/GWQB/50	OS
New/Change Address for WSS/Client	Address: 1190 St. Francis	Dr. N2300
Send an additional report to	> City: Santa Fe, NM 87	502
FIELD DATA (© Non-chlorinated (Chlorinate	d Residual (mg/l): pH: Conductivit	y (uS/cm): Temperature (deg. C):
REMARKS Field remarks:		20 To 10 To
SAMPLING X NMED monitoring	Compliance Non-compliance Split wi	th facility Grab sample Composite
DOCUMENTATION Finished water Raw	water Confirmation X Other Describe: Si	te characterization
SAMPLE Filtered water Non-filtered water	C Soil/Sediment C Sludge C Blood C Ur	ine (Tissue (Saliva (Swipe/Smear
TYPE Other air/liquid/solid Describe:		
	HCl added to pH < 2 ▼ HNO₃ added to pH < 2	H2SO1 added to pH < 2 Asc. acid added
PRESERVATION Lab to acidify NoOH added	p and the second	
HM ANALYSES LIST		Party
OR ANALYSES LIST		100000000000000000000000000000000000000
	rith Ra-228, 2 gal. (EPA 900.0/903.1/904.0, etc.)	
WC ANALYSES LIST	7111 Na 220, 2 gai. (c) N 300.0/303.1/30 No. (c) c)	
ADDITIONAL ANALYSES	All was to be a second of the	
The property of the control of the property of	erved to pH > 12 at Lab	gh Date/Initial:
LAB	Testerica topin ve di cuo	ab Date/Initial: 27Aug OS STE
USE Lab Remarks:		
12/20/	ease use CHAIN OF CUSTODY FORM when requiren	a . 1
We, the undersigned, certify that on $\frac{2}{2} \frac{1}{d} \frac{d}{dt}$	$\frac{5:35}{5:35}$ the sample identified on the container(s)	and this form by Request ID number 7/74/
was transferred with evidentiary seal(s) (check applic	Time able box) (Not Present (Present Intact	C Present & Dømaged
Released by:	& Received by:	The Masoc
Signature Signature		Signature
)	Additional Transfer If Applicable	
We, the undersigned, certify that onat Date	the sample identified on the container(s)	and this form by Request ID number
was transferred with evidentiary seal(s) (check applic	able box) (Not Present (Present & Intact	(Present & Damaged
Released by:	& Received by:	
Sianature		Signature
Print Form	Form last modified on 03/17/08	Reset Form